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1973

Water Resources Data for Florida

Part 1. Surface Water Records

Volume 2: Streams-Southern Florida, Lake Okeechobee and the Everglades

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GEOLOGICAL SURVEY

Prepared in cooperation with the State of Florida
and with other agencies

CALENDAR FOR WATER YEAR 1973

1972

OCTOBER

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1973

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UNITED STATES
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GEOLOGICAL SURVEY

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION
325 JOHN KNOX ROAD
SUITE F-240
TALLAHASSEE, FLORIDA 32303

IN REPLY REFER TO:

July 1, 1974

Gentlemen:

We are pleased to send you herewith a copy of the surface water records for southern Florida for the 1973 water year. This publication contains stage and discharge data from 134 stations in the Lake Okeechobee and the Everglades area which were collected as part of hydrologic investigations, network operations, or data collected for water management purposes. Companion reports of other water resources records for 1973, are identified on page II.

Please note that the river-mile location of each station has been given as determined in conformance with the procedure set forth by The Water Resources Council, Bulletin 14. This should prove helpful to you in determining the river-mile location of intervening points, if needed. Also, the latitude-longitude location is given for each station which will facilitate spotting of locations on quadrangle maps. Location maps are given for a few stations such as The Tamiami Canal outlets on page 145. We would appreciate receiving any comments you may have which will improve the usefulness of these records.

The many agencies that cooperated in the collection and preparation of these records are listed in the report, and their assistance is gratefully acknowledged.

Sincerely yours,

Clyde S. Conover
District Chief

Water resources data, 1973, for Florida are in the following reports of the U. S. Geological Survey:

1. Water Resources Data for Florida
   Part 1: Surface Water Records
   Volume 1: Streams - Northern and Central Florida

2. Water Resources Data for Florida
   Part 1: Surface Water Records
   Volume 2: Streams - Southern Florida, Lake Okeechobee and the Everglades

3. Water Resources Data for Florida
   Part 1: Surface Water Records
   Volume 3: Lakes

4. Water Resources Data for Florida
   Part 2: Water Quality Records

Copies of this report may be obtained from
District Chief, Water Resources Division
U. S. Geological Survey
325 John Knox Road, Suite F-240
Tallahassee, Florida 32303

1974

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WATER RESOURCES DATA FOR FLORIDA, 1973

PART 1: SURFACE WATER RECORDS
VOLUME 2: STREAMS - SOUTHERN FLORIDA, LAKE OKEECHOBEE AND THE EVERGLADES

INTRODUCTION

Surface-water records for the 1973 water year for gaging stations, partial-record stations, and miscellaneous sites in the Lake Okeechobee and the Everglades region of the State of Florida are given in this report. The records were collected and computed by the Water Resources Division of the U. S. Geological Survey, as part of the hydrologic investigations and network program, under the direction of C. S. Conover, District Chief. These data represent that portion of the National Water Data System collected by the U. S. Geological Survey and cooperating local, state and federal agencies in Florida.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. These reports are for limited distribution and are designed primarily for rapid release of data shorly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. More information is given under the headings "Publications" on page 12.

The boundaries of the different river basins and coastal areas in Florida are shown on figure 1 on page 3. Locations of continuous or daily-record gaging stations are shown on figure 2 on page 17.

RIVER BASINS AND COASTAL AREAS

Number	Designation
09C	St. Marys River basin and coastal area
09D	Coastal area between St. Marys River and St. Johns River
09E	St. Johns River basin
09F	Coastal area between St. Johns River and Turkey Creek
09G	Withlacoochee River basin
09H	Coastal area between Withlacoochee River and Suwannee River
09J	Suwannee River basin
09K	Coastal area between Suwannee River and Aucilla River
10A	Turkey Creek and coastal area south to St. Lucie River
10B	Lake Okeechobee and the Everglades area
10C	Coastal area between Caloosahatchee River and Peace River
10D	Peace River basin
10E	Myakka River basin
10F	Coastal area between Myakka River and Alafia River
10G	Alafia River basin
10H	Hillsborough River basin and coastal area north of Alafia River
10J	Coastal area between Hillsborough River and Withlacoochee River
11A	Aucilla River basin
11B	Coastal area between Aucilla River and Ochlockonee River
11C	Ochlockonee basin and coastal area
11D	Coastal area between Ochlockonee River and Apalachicola River
11E	Apalachicola River basin
11F	Coastal area between Apalachicola River and Choctawhatchee River
12A	Choctawhatchee River basin
12B	Coastal area between Choctawhatchee River and Yellow River
12C	Yellow River basin
12D	Blackwater River basin and coastal area
12E	Escambia River basin and coastal area
12F	Perdido River basin and coastal area

RIVER BASINS AND COASTAL AREAS

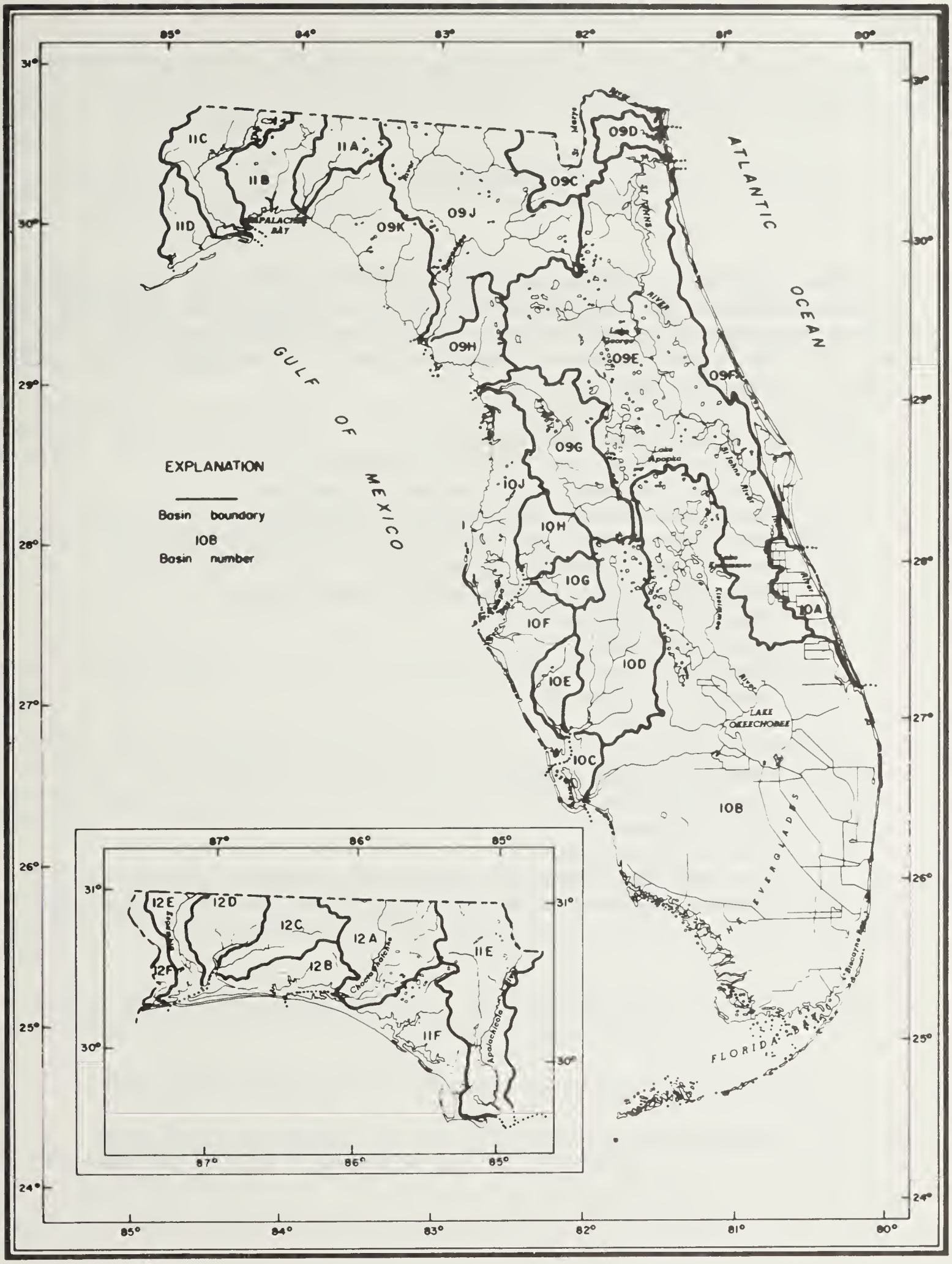

Figure 1. River basin and coastal area boundaries

COOPERATION

The systematic collection of streamflow records in the State of Florida by the U. S. Geological Survey began in 1930 and has been continued in cooperation with state, federal, and local agencies. The data for this report were collected as part of a cooperative program with the following agencies:

Florida Bureau of Geology
Florida Department of Transportation
Florida Division of Parks and Recreation
Florida Internal Improvement Trust Fund
Central and Southern Florida Flood Control District
Reedy Creek Improvement District
West Orange Water Conservation Association
County of Broward
County of Collier
County of Dade
County of Highlands
County of Lee
County of Orange
County of Palm Beach
County of Polk
City of Miami
City of Miami Beach
Corps of Engineers, U. S. Army
National Park Service, U. S. Department of the Interior

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System of units (SI) on page 16.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or approximately 646,000 gallons, and represents a runoff of approximately 0.0372 inch from 1 square mile.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure as used in this report is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of salt water.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second, and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

Mean daily discharge is the arithmetic mean discharge for the same day during a specific period of years.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

One million gallons per day (mgd) is equal to flow of 1.547 cubic feet per second of water for 24 hours.

One million cubic feet (mcf) is the volume of water represented by a flow of 11.57 cubic feet per second for 24 hours.

Partial-record station is a particular site where limited streamflow data are collected systematically over a period of years for use in hydrologic analyses.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from man-made changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

DOWNSTREAM ORDER AND STATION NUMBERS

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between station on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the list of gaging stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Gaps are left in the numbers to allow for new stations that may be established; hence the numbers are not consecutive. The complete 8-digit number for each station, such as 02335500, includes the part number "02" and a 6-digit station number. In this report the complete number 02335500 appears just to the left of the station name. In this report the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one State could be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

EXPLANATION OF SURFACE-WATER DATA

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals. In addition, observations of factors affecting the stage-discharge relation, weather records, and other information are used to supplement base data in determining the daily flow. Records of stage are obtained from a water-stage recorder that gives a continuous graph of the fluctuations (for digital recorders, a tape punched at 15-, 30-, or 60-minute intervals) or from direct readings on a nonrecording gage. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks on the measurement of stream discharge. (See also SELECTED REFERENCES.)

For a stream-gaging station rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-openning measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. Information required for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in determining discharge.

At some stations there is no relation between stage and discharge because of the flat stream gradients and/or tidal fluctuations. Discharge is determined from ratings which are based on a relationship between recorded deflection (velocity index unit) at a fixed point and mean velocity at a fixed measuring section, and a relationship between recorded stage and cross-sectional area at the measuring site.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined according to procedures set forth by the Water Resources Council, Bulletin 14. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance.

The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water year's for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly,, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting form a revision of the drainage area only are usually not published in the annual series of reports.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, or if the drainage area includes large noncontributing areas.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parenthesis, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

Data collected at partial-record stations and miscellaneous sites are given in two tables at the end of the surface-water records in this report. The first is a table of annual maximum stage and discharge at crest-stage stations, and the second is a table of discharge measurements at miscellaneous sites.

Accuracy of Data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 signigicant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase of decrease in evaporation due to artificial cuases or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments of losses are large in comparison with the observed discharge.

Publications

In each water-supp;y paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Florida for the period October 1960 to September 1965 are in Water-Supply Papers 1905 and 1906.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Florida are compiled in Water-Supply Paper 1304 through September 1950, and in 1724 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

At or near most gaging stations for which data are published in this report, water-quality records also are collected. Data are obtained on the chemical quality of the stream water, on water temperature, on suspended-sediment concentration, and on the particle-size distribution of suspended sediment and bed material. These data are given in Part 2 of this report. Under the "REMARKS" paragraph of the gaging-station description, reference is made to water-quality records collected on a regular repetitive basis.

HYDROLOGIC CONDITIONS

Rainfall in the Kissimmee River and Fisheating Creek basins was about 10 percent above normal. Precipitation for the year was about three inches below normal in the northern and southern Everglades and about 10 inches below normal in the central Everglades.

Streamflow in the Fisheating Creek basin was about 85 percent of normal and about 90 percent greater than 1972 water year. Discharge was in the upper 25 percent of record for February and August and in the lower 25 percent, October and November. During November and June there were several days of no flow.

Streamflow in the Kissimmee River basin was about 5 percent above normal and about 170 percent greater than 1972 water year. Runoff was in the upper 25 percent of record February to May, August, and September, and in the lower 25 percent October to January.

Streamflow in the Miami Canal at 36th Street in Miami was 48 percent of the annual runoff and streamflow in the West Palm Beach Canal at West Palm Beach was 44 percent of the annual runoff.

Streamflow from the Big Cypress Watershed across the Tamiami Trail (U. S. 41) from 40-mile bend to Monroe was 70 percent of the annual runoff.

Discharge during the water year to Everglades National Park through the S-12 control structures was 102 percent of the 33 year average annual runoff.

DIVISION OF WORK

The water resources data in this report were collected, computed, and prepared for publication by Florida District personnel as follows:

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SELECTED REFERENCES

Buchanan, T. J., and Somers, W. P., Stage measurements at gaging stations, USGS - TWRI Book 3, Chapter A7, 1968, 28 p.

Buchanan, T. J., and Somers, W. P., Discharge measurements at gaging stations, USGS - TWRI Book 3, Chapter A8, 1969, 65 p.

Carter, R. W., and Davidian, Jacob, 1968, General procedure for gaging streams: U.S. Geol. Survey Techniques Water-Resources Inv., book 3, chap. A6, 13 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Table 1.--Factors for converting English units to International System (SI) units.

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

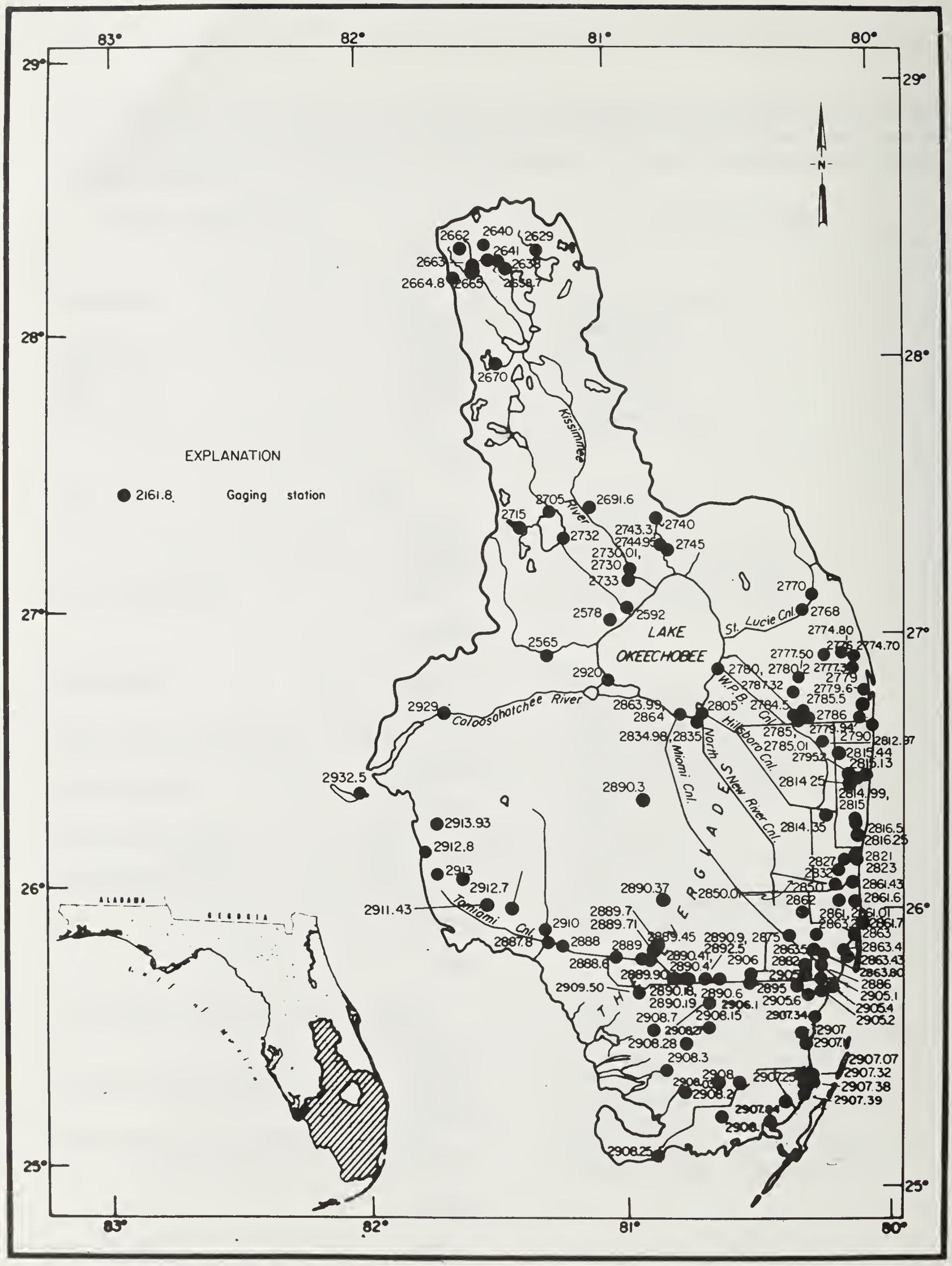


Figure 2. Location of gaging stations.

02256500 Fisheating Creek at Palmdale, Fla.

LOCATION.--Lat 26°55'56", long 81°18'54", in SW quarter sec.3, T.41 S., R.30 E., Glades County, near right bank on downstream side of bridge on U. S. Highway 27, 1.0 mi (1.6 km) south of Palmdale and 16 mi (26 km) upstream from Lake Okeechobee.

DRAINAGE AREA.--311 sq mi (805 sq km).

PERIOD OF RECORD.--April 1931 to current year.

GAGE.--Water-stage recorder. Datum of gage is 27.19 ft (8.288 m) above mean sea level. Prior to Mar. 16, 1949, nonrecording gage and Mar. 16, 1949, to Jan. 23, 1956, water-stage recorder, at site 450 ft (137 m) upstream at same datum.

AVERAGE DISCHARGE.--42 years, 262 cfs (7.420 cu m/s), 11.44 in/yr (291 mm/yr), 189,800 acre-ft/yr (234 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 1,700 cfs (48.1 cu m/s) Aug. 9 (gage height, 5.86 ft or 1.786 m); no flow May 27-29, June 3-10; minimum gage height, 0.82 ft (0.250 m) June 10, 11.
Period of record: Maximum discharge, 31,400 cfs (889 cu m/s) Oct. 3, 1951 (gage height, 12.44 ft or 3.792 m), from rating curve extended above 21,000 cfs (595 cu m/s); no flow at times in most years; minimum gage height observed, -0.61 ft (-0.186 m) June 13, 1950.

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1905: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	.80	42	43	354	87	141	8.4	.07	12	833	771
2	14	.73	49	39	462	79	148	6.9	.13	10	978	877
3	14	.73	57	34	594	71	132	5.6	0	9.3	1,310	874
4	16	.67	64	33	572	64	113	4.6	0	7.9	1,310	763
5	16	.60	69	31	473	56	98	4.0	0	7.7	1,190	633
6	16	.53	71	28	368	49	87	3.2	0	7.4	1,160	627
7	16	.47	69	26	287	44	75	2.6	0	17	1,350	716
8	16	.40	65	23	245	39	70	2.5	0	36	1,360	627
9	15	.40	59	22	221	36	74	4.2	0	42	1,520	546
10	14	.33	51	21	235	33	75	5.0	0	58	1,620	468
11	13	.33	44	28	221	31	71	4.0	.27	90	1,340	412
12	12	.40	39	37	212	29	70	3.0	2.8	111	1,110	366
13	10	1.5	34	43	215	27	82	2.4	3.4	113	909	572
14	9.2	2.6	32	49	221	25	102	7.2	3.1	121	760	1,080
15	7.9	4.8	29	55	230	23	127	9.7	3.4	160	755	1,260
16	6.9	7.2	27	65	227	24	130	6.7	4.2	171	828	1,350
17	6.1	12	20	85	203	24	114	4.3	3.8	204	915	1,230
18	5.2	18	18	103	182	24	97	3.1	4.6	200	839	1,080
19	4.6	22	17	128	164	23	81	2.4	10	185	908	975
20	4.0	27	16	138	157	21	65	1.7	18	185	838	851
21	3.4	32	14	128	156	19	50	1.3	22	190	702	799
22	2.7	33	20	116	153	17	39	.93	30	238	585	828
23	2.2	35	28	115	145	15	31	.73	73	332	949	765
24	1.9	36	31	118	135	13	23	.53	71	365	1,570	628
25	1.6	36	36	113	121	11	20	.27	49	394	1,350	532
26	1.5	37	36	100	112	88	17	.07	53	392	1,070	763
27	1.3	37	39	93	103	113	16	0	47	367	870	1,040
28	1.2	36	43	97	95	99	15	0	34	353	714	1,090
29	1.1	36	47	144	------	91	13	0	24	455	575	1,040
30	.93	37	49	270	------	96	10	.07	17	637	501	904
31	.87	------	46	329	------	113	------	.07	------	755	597	------
TOTAL	249.60	456.49	1,261	2,654	6,868	1,484	2,186	95.47	473.77	6,225.3	31,317	24,467
MEAN	8.05	15.2	40.7	85.6	245	47.9	72.9	3.08	15.8	201	1,010	816
MAX	16	37	71	329	594	113	148	9.7	73	755	1,620	1,350
MIN	.87	.33	14	21	95	11	10	0	0	7.4	501	366
CFSM	.03	.05	.13	.28	.79	.15	.23	.010	.05	.65	3.25	2.62
IN.	.03	.05	.15	.32	.82	.18	.26	.01	.06	.74	3.75	2.93
AC-FT	495	905	2,500	5,260	13,620	2,940	4,340	189	940	12,350	62,120	48,530

CAL YR 1972 TOTAL 35,827.62 MEAN 97.9 MAX 2,600 MIN .02 CFSM .31 IN 4.29 AC-FT 71,060
WTR YR 1973 TOTAL 77,737.63 MEAN 213 MAX 1,620 MIN 0 CFSM .68 IN 9.30 AC-FT 154,200

PEAK DISCHARGE (BASE, 1,500 cfs).--Aug. 9 (1700) 1,700 cfs (5.86 ft); Aug. 24 (1300), 1,630 cfs (5.82 ft).

02257800 Harney Pond Canal at S-71, near Lakeport, Fla.

LOCATION.--Lat 27°02'00", long 81°04'15", in NE quarter sec.1, T.40 S., R.32 E., Glades County, near left bank 220 ft (67 m) upstream from control structure 71, 0.1 mi (0.2 km) west of State Highway 721, 2.3 mi (3.7 km) upstream from bridge on State Highway 78, and 5.2 mi (8.4 km) northeast of Lakeport.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--11 years, 196 cfs (5.551 cu m/s), 142,000 acre-ft/yr (175 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,890 cfs (53.5 cu m/s) Sept. 23; maximum gage height, 20.79 ft (6.334 m) July 25; no flow for many days; minimum gage height, 16.98 ft (5.176 m) Oct. 3.
Period of record: Maximum daily discharge, 4,670 cfs (132 cu m/s) Mar. 27, 1970; maximum gage height, 25.90 ft (7.894 m) June 8, 1968; no flow for many days each year; minimum gage height, 12.97 ft (3.953 m) Feb. 9, 1972.

REMARKS.--Records poor. Flow completely regulated by control structure 71. Since November 1962, discharge computed from continuous velocity record obtained from recording deflection meter.

COOPERATION.--Gate-operation record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE °(C).--Oct. 2 (1400) 30.0°; Oct. 6 (1045) 27.0°; Dec. 1 (1345) 21.5°; Feb. 1 (1420) 19.0°; Apr. 2 (1400) 24.0°; June 1 (1400) 29.5°; July 2 (1345) 32.0°; Aug. 1 (1345) 28.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	58	0	40	120	0	0	234	493
2				0	57	0	40	120	23	97	619	320
3				0	40	0	40	120	40	236	592	133
4				0	40	0	40	120	32	204	209	586
5				0	22	0	40	120	0	243	323	274
6				0	19	0	40	120	0	307	269	188
7				0	40	0	32	111	0	182	303	374
8				0	40	0	11	84	0	277	336	471
9				0	40	0	40	97	0	97	137	798
10				0	40	0	41	120	0	336	252	495
11				0	40	0	22	120	0	557	284	0
12				0	40	180	0	120	0	903	343	1,080
13				0	40	414	0	120	0	167	286	946
14				0	75	93	0	120	0	362	543	1,110
15				0	77	88	26	113	0	445	259	1,730
16				0	114	0	25	82	0	611	466	1,440
17				0	163	0	0	13	0	505	348	1,580
18				0	40	0	0	2.0	0	230	147	1,210
19				0	40	0	0	8.0	23	269	12	1,040
20				0	40	0	0	0	307	537	301	1,040
21				0	40	0	0	0	456	626	23	1,450
22				0	40	17	0	0	441	588	349	1,720
23				0	16	40	0	0	503	500	646	1,890
24				0	0	40	0	0	317	443	344	1,440
25				0	0	40	0	0	173	1,290	195	1,080
26				0	0	40	0	0	171	1,300	381	701
27				0	0	39	24	0	265	1,200	228	1,370
28				117	0	40	20	0	527	585	372	757
29				0	------	30	20	0	0	907	375	821
30.				0	------	30	20	0	186	612	188	927
31		------		0	------	40	------	0	------	522	317	------
TOTAL	0	0	0	117	1,161	1,131	521	1,830.0	3,464	15,138	9,681	27,464
MEAN	0	0	0	3.77	41.5	36.5	17.4	59.0	115	488	312	915
MAX	0	0	0	117	163	414	41	120	527	1,300	646	1,890
MIN	0	0	0	0	0	0	0	0	0	0	12	0
AC-FT	0	0	0	232	2,300	2,240	1,030	3,630	6,870	30,030	19,200	54,470

CAL YR 1972 TOTAL 27,458.50 MEAN 75.0 MAX 1,940 MIN 0 AC-FT 54,460
WTR YR 1973 TOTAL 60,507.00 MEAN 166 MAX 1,890 MIN 0 AC-FT 120,000

02257800 Harney Pond Canal at S-71, near Lakeport, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.30	18.31	19.54	19.04	19.80	18.01	19.50	19.57	18.91	18.91	19.53	19.48
2	17.16	17.97	19.36	19.01	19.78	17.41	19.55	19.49	19.51	19.32	19.37	19.53
3	17.03	17.35	19.24	18.85	19.85	17.51	19.48	19.53	19.60	19.20	19.81	19.46
4	17.08	17.14	19.06	18.67	19.41	17.72	19.49	19.53	19.41	19.19	19.43	19.58
5	17.27	17.46	18.69	18.25	19.37	17.88	19.54	19.52	19.36	19.26	19.47	19.43
6	18.01	17.62	18.37	18.43	19.52	18.04	19.55	19.52	19.34	19.13	19.39	19.58
7	18.79	17.76	18.07	18.58	19.63	18.24	19.39	19.52	19.29	19.24	19.45	19.47
8	19.32	17.95	17.77	18.62	19.56	18.39	19.48	19.36	19.29	19.27	19.65	19.53
9	19.57	18.13	17.72	18.49	19.31	18.48	19.58	19.50	19.33	19.45	19.88	19.61
10	19.38	18.25	17.75	18.34	19.66	18.54	19.51	19.64	19.30	19.61	19.82	19.65
11	18.77	18.36	17.79	18.33	19.32	18.71	19.43	19.53	19.23	19.43	19.70	19.22
12	18.22	18.63	17.76	19.23	19.26	19.27	19.04	19.54	18.79	19.34	19.82	19.60
13	17.94	18.72	17.52	19.25	19.70	19.70	18.79	19.59	18.31	19.35	19.77	19.71
14	17.96	18.77	17.46	19.42	19.89	19.51	19.17	19.54	18.19	19.44	19.51	19.77
15	17.93	18.57	17.25	19.60	19.82	19.49	19.61	19.40	18.39	19.29	19.61	19.70
16	17.85	18.47	17.38	19.76	19.56	19.47	19.45	19.39	18.51	19.33	19.58	19.75
17	17.79	18.09	17.50	19.76	19.16	19.55	18.76	19.37	18.61	19.34	19.68	19.74
18	17.71	18.04	17.51	19.68	19.34	19.53	18.16	19.52	18.78	19.22	19.35	19.67
19	17.83	18.10	17.25	19.52	19.52	19.52	17.63	19.35	19.26	19.32	19.30	19.74
20	17.95	18.20	17.33	19.15	19.74	19.47	17.48	19.23	19.29	19.35	19.56	19.83
21	18.22	18.31	17.46	19.09	19.86	19.31	17.99	19.12	19.24	19.31	19.53	19.86
22	18.44	18.46	17.71	19.33	19.92	19.27	18.48	19.04	19.29	19.29	19.56	19.68
23	18.49	18.57	17.88	19.88	19.70	19.62	18.90	18.98	19.41	19.33	19.53	19.62
24	18.12	18.61	18.09	19.61	19.26	19.59	19.28	18.93	19.26	19.34	19.53	19.73
25	17.67	18.65	18.36	19.43	18.79	19.54	19.19	18.63	19.20	19.49	19.52	19.76
26	17.53	18.74	18.55	19.53	18.38	19.55	19.35	18.37	19.35	19.84	19.51	19.61
27	17.81	18.73	18.78	19.82	18.55	19.53	19.62	18.21	19.16	19.69	19.39	19.81
28	18.17	18.87	18.94	19.84	18.70	19.50	19.57	18.27	19.31	19.51	19.43	19.71
29	18.32	19.25	19.14	19.32	------	19.49	19.51	18.30	19.10	19.54	19.65	19.71
30	18.36	19.50	19.17	19.22	------	19.51	19.56	17.92	19.16	19.65	19.54	19.74
31	18.37	------	19.15	19.61	------	19.51	------	18.07	------	19.49	19.63	------
MEAN	18.08	18.32	18.18	19.18	19.44	19.00	19.13	19.14	19.11	19.37	19.56	19.64
MAX	19.57	19.50	19.54	19.88	19.92	19.70	19.62	19.64	19.60	19.84	19.88	19.86
MIN	17.03	17.14	17.25	18.25	18.38	17.41	17.48	17.92	18.19	18.91	19.30	19.22

CAL YR 1972 MEAN 18.76 MAX 20.76 MIN 14.83
WTR YR 1973 MEAN 19.01 MAX 19.92 MIN 17.03

02259200 Indian Prairie Canal at S-72, near Okeechobee, Fla.

LOCATION.--Lat 27°05'35", long 81°00'25", in SE quarter sec.10, T.39 S., R.33 E., Glades County, near left bank 230 ft (70 m) upstream from control structure 72, 2.6 mi (4.2 km) upstream from bridge on State Highway 78, and 15 mi (24 km) southwest of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1962 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is 9.0 ft (2.743 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--11 years, 48.4 cfs (1.371 cu m/s),.35,070 acre-ft/yr (43.2 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 875 cfs (24.8 cu m/s) Sept. 27; maximum gage height, 13.01 ft (3.965 m) Sept. 27; no flow for many days; minimum gage height, 8.10 ft (2.469 m) Nov. 3.
Period of record: Maximum daily discharge, 2,130 cfs (60.3 cu m/s) Oct. 3, 1969; maximum gage height, 14.21 ft (4.331 m) June 19, 1972; no flow for many days each year; minimum gage height, 6.95 ft (2.118 m) June 19, 1965.

REMARKS.--Records poor. Flow regulated by control structure 72. Since November 1962, discharge computed from continuous velocity record obtained from recording deflection meter.

COOPERATION.--Gate-operation record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Oct. 2 (1315) 29.0°; Dec. 1 (1310) 22.0°; Feb. 1 (1320) 19.0°; Apr. 2 (1315) 24.0°; June 1 (1320) 29.0°; June 12 (1130) 28.0°; July 2 (1310) 30.5°; Aug. 1 (1245) 28.0°; Sept. 12 (0930) 28.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0		0	0	166	0
2							0		0	0	320	0
3							0		0	0	186	0
4							0		0	0	111	108
5							0		0	0	0	0
6							0		0	0	81	0
7							0		0	0	164	0
8							0		0	0	99	0
9							0		0	0	234	0
10							66		0	77	208	0
11							0		0	0	110	188
12							0		0	0	189	348
13							0		0	433	0	64
14							0		0	0	0	0
15							0		0	175	0	215
16							0		0	196	0	165
17							0		0	533	83	237
18							0		52	0	0	53
19							0		71	347	0	0
20							0		164	89	0	0
21							0		0	638	0	0
22							0		0	92	0	160
23							0		0	186	0	222
24							0		0	156	88	153
25							0		0	257	0	154
26							0		0	262	0	204
27							0		0	68	0	875
28							0		0	0	0	398
29					------		0		0	0	0	350
30					------		0		0	0	0	98
31		------			------		------		------	60	0	------
TOTAL	0	0	0	0	0	0	66	0	287	3,569	2,039	3,992
MEAN	0	0	0	0	0	0	2.20	0	9.57	115	65.8	133
MAX	0	0	0	0	0	0	66	0	164	638	320	875
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	131	0	569	7,080	4,040	7,920

CAL YR 1972 TOTAL 5,103.00 MEAN 13.9 MAX 1,290 MIN 0 AC-FT 10,120
WTR YR 1973 TOTAL 9,953.00 MEAN 27.3 MAX 875 MIN 0 AC-FT 19,740

02259200 Indian Prairie Canal at S-72, near Okeechobee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.99	8.96	9.99	8.63	11.13	11.53	11.43	10.57	9.97	10.05	11.79	12.01
2	10.17	8.55	9.96	8.77	11.15	10.83	11.53	10.71	10.26	9.82	11.71	12.02
3	10.21	8.19	9.95	9.49	11.20	10.63	11.52	10.43	10.36	9.55	11.79	12.06
4	10.00	8.38	9.93	9.56	11.28	10.59	11.33	10.36	10.29	9.27	11.89	11.88
5	9.61	8.76	9.86	9.61	11.30	10.52	11.07	10.31	10.20	9.03	11.93	11.16
6	9.43	8.95	9.73	9.54	11.32	10.03	10.72	10.32	10.18	8.95	11.94	11.42
7	9.47	9.04	9.65	9.42	11.38	9.50	10.47	10.13	10.37	9.82	11.83	11.60
8	9.48	9.09	9.53	9.34	11.42	9.66	10.59	9.67	10.62	10.75	11.89	11.67
9	9.42	9.11	9.29	9.10	11.41	10.05	11.45	9.44	10.94	11.47	11.70	11.70
10	9.23	8.99	8.97	8.97	11.60	10.31	11.87	9.80	11.11	11.80	11.79	11.73
11	9.13	8.76	8.83	9.68	11.66	11.36	11.10	10.49	11.14	11.80	11.71	11.64
12	9.13	8.71	8.77	10.55	11.67	11.84	10.94	10.82	11.06	12.07	11.78	11.63
13	9.16	9.18	8.84	10.93	11.69	11.54	10.75	10.94	10.78	11.16	11.89	11.33
14	9.01	9.46	8.68	10.37	11.66	10.23	10.71	11.03	10.59	11.64	11.99	11.31
15	8.93	9.27	8.39	10.12	11.68	9.78	10.85	11.01	10.37	11.51	11.92	11.63
16	9.18	9.60	8.95	10.35	11.76	9.74	10.92	11.03	10.69	11.84	11.85	11.78
17	9.09	9.74	9.31	10.44	11.76	9.96	10.71	10.91	11.22	11.23	11.64	11.68
18	8.91	9.78	9.49	10.21	11.75	10.15	10.10	10.59	11.50	11.81	11.53	11.46
19	8.71	9.82	9.50	9.99	11.75	10.16	9.82	10.60	11.42	11.54	11.76	11.79
20	8.94	9.93	9.28	10.08	11.77	9.78	9.87	10.87	11.58	11.93	11.89	11.91
21	8.92	10.02	8.70	10.11	11.74	9.56	10.33	11.01	11.63	11.16	11.97	12.02
22	9.12	10.01	8.71	10.16	11.70	9.76	10.65	10.93	11.41	11.43	12.01	11.89
23	9.26	10.00	9.03	10.22	11.65	9.70	10.81	10.71	11.34	11.69	12.08	11.69
24	9.04	9.98	9.49	10.80	11.62	9.77	10.70	10.37	11.24	11.63	11.79	11.48
25	8.60	9.96	9.76	10.72	11.60	9.99	10.27	10.10	11.06	11.58	11.64	12.09
26	8.53	10.03	9.86	10.79	11.60	10.59	9.72	9.95	10.73	11.64	11.84	11.58
27	8.58	10.02	9.90	10.87	11.60	10.94	9.70	10.19	10.55	11.43	11.93	11.74
28	8.70	10.04	9.99	10.92	11.56	11.01	10.06	10.35	10.54	11.63	11.98	11.64
29	8.98	10.04	10.24	11.06	------	11.02	10.30	10.16	10.46	11.58	11.97	11.57
30	9.02	10.00	9.53	11.15	------	11.18	10.41	9.70	10.29	11.41	11.95	11.73
31	8.84	------	8.93	11.16	------	11.32	------	9.64	------	11.42	11.95	------
MEAN	9.19	9.41	9.39	10.10	11.55	10.42	10.69	10.42	10.80	11.09	11.85	11.69
MAX	10.21	10.04	10.24	11.16	11.77	11.84	11.87	11.03	11.63	12.07	12.08	12.09
MIN	8.53	8.19	8.39	8.63	11.13	9.50	9.70	9.44	9.97	8.95	11.53	11.16

CAL YR 1972 MEAN 10.14 MAX 12.28 MIN 8.19
WTR YR 1973 MEAN 10.54 MAX 12.09 MIN 8.19

02262900 Boggy Creek near Taft, Fla.

LOCATION.--Lat 28°22'16", long 81°18'39", in NE quarter sec.28, T.24 S., R.30 E., Orange County, on left bank 450 ft (135 m) downstream from Boggy Creek Swamp, 2.0 mi (3.2 km) upstream from bridge on State Highway 530, 3.5 mi (5.6 km) upstream from mouth, and 5.5 mi (8.8 km) southeast of Taft.

DRAINAGE AREA.--83.6 sq mi (216.5 sq km).

PERIOD OF RECORD.--September 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 56.08 ft (17.093 m) above mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder on St. Cloud Canal above S-59 since July 19, 1968 and on south side of East Lake Tohopekaliga prior to July 19, 1968.

AVERAGE DISCHARGE.--14 years, 50.6 cfs (1.433 cu m/s), 8.22 in/yr (209 mm/yr), 36,660 acre-ft/yr (45.2 cu hm/yr).

EXTREMES.--Current year: Maximum discharge 584 cfs (16.5 cu m/s) Sept. 28 (gage height, 9.02 ft or 2.749 m); minimum, 3.6 cfs (0.10 cu m/s) May 24 (gage height, 2.36 ft or 0.719 m).
Period of record: Maximum discharge 3,680 cfs (104 cu m/s) Mar. 18, 1960 (gage height, 13.64 ft or 4.157 m), from floodmarks; minimum, 0.10 cfs (0.003 cu m/s) June 5-11, 1961, May 29, 30, 1962, May 28, 29, 1965; minimum gage height, 2.01 ft (0.613 m) May 13, 14, 1971.

REMARKS.--Records good. Some diversion to ground water through drainage wells in lakes above station.

WATER TEMPERATURE (°C).--Oct. 26 (1440) 23.0°; Nov. 29 (1210) 19.0°; Jan. 15 (1255) 9.0°; Feb. 23 (1150) 11.0°; Apr. 19 (1455) 21.0°; June 4 (1145) 23.0°; July 18 (1200) 26.5°; Sept. 10 (1315) 26.5°.

DISCHARGE. IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	11	28	13	94	34	35	8.9	27	24	56	128
2	11	9.8	26	12	88	31	31	7.8	21	30	116	221
3	84	9.5	25	11	103	28	28	7.0	15	32	148	261
4	107	9.2	24	9.8	102	25	30	6.4	9.8	55	136	260
5	79	9.8	23	8.9	90	24	30	6.2	7.8	103	119	251
6	62	10	21	8.0	78	26	28	5.8	6.2	92	104	219
7	48	13	20	7.4	69	25	26	5.4	5.3	88	94	203
8	36	16	21	6.8	62	23	56	5.4	5.8	65	86	211
9	29	16	20	6.4	60	25	63	11	5.5	53	78	203
10	25	15	18	6.8	117	28	51	18	5.4	50	66	190
11	22	14	17	11	168	27	40	13	5.3	44	58	166
12	21	14	16	27	148	25	33	8.6	16	43	56	157
13	19	15	15	35	119	22	31	6.4	24	63	52	199
14	17	20	14	44	102	20	27	6.6	21	74	46	249
15	17	21	15	54	92	18	24	5.8	15	78	41	245
16	25	17	14	46	82	16	20	5.4	15	80	46	233
17	21	15	12	39	76	15	18	5.1	13	66	52	185
18	17	14	12	36	73	17	17	4.8	13	56	39	154
19	16	15	12	33	72	17	15	4.7	17	53	37	130
20	18	17	11	31	72	15	13	4.5	22	60	37	111
21	17	16	12	28	76	17	10	4.2	17	54	38	97
22	15	14	35	37	68	15	8.6	3.9	18	52	66	86
23	14	12	42	98	62	12	7.6	3.9	31	62	138	78
24	13	12	33	202	57	10	7.0	3.8	73	62	188	98
25	12	16	29	195	53	12	6.4	5.2	70	56	167	104
26	12	40	25	157	50	45	7.8	10	48	61	149	129
27	11	42	22	140	46	42	15	8.0	36	53	163	394
28	12	35	20	139	40	31	16	5.8	28	52	134	554
29	14	34	18	142	------	30	12	4.8	22	49	108	435
30	14	30	17	126	------	38	9.8	5.0	18	48	94	343
31	12	------	15	108	------	39	------	12	------	50	96	------
TOTAL	829.8	532.3	632	1,818.1	2,319	752	716.2	213.4	631.1	1,808	2,808	6,294
MEAN	26.8	17.7	20.4	58.6	82.8	24.3	23.9	6.88	21.0	58.3	90.6	210
MAX	107	42	42	202	168	45	63	18	73	103	188	554
MIN	9.8	9.2	11	6.4	40	10	6.4	3.8	5.3	24	37	78
CFSM	.32	.21	.24	.70	.99	.29	.29	.08	.25	.70	1.08	2.51
IN.	.37	.24	.28	.81	1.03	.33	.32	.09	.28	.80	1.25	2.80
AC-FT	1,650	1,060	1,250	3,610	4,600	1,490	1,420	423	1,250	3,590	5,570	12,480

CAL YR 1972 TOTAL 10,416.3 MEAN 28.5 MAX 262 MIN 1.6 CFSM .34 IN 4.64 AC-FT 20,660
WTR YR 1973 TOTAL 19,353.9 MEAN 53.0 MAX 554 MIN 3.8 CFSM .63 IN 8.61 AC-FT 38,390

02263800 Shingle Creek at airport, near Kissimmee, Fla.

LOCATION.--Lat 28°18'14", long 81°27'04", NW quarter sec.19, T.25 S., R.29E., Osceola County, near center of span on downstream side of bridge on U. S. Highway 192, 1.0 mi (1.6 km) northwest of Kissimmee Airport, 3.0 mi (4.8 km) west of Kissimmee, and 5.6 mi (9.0 km) upstream from mouth.

DRAINAGE AREA.--89.2 sq mi (231.0 sq km).

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 60.66 ft (18.489 m) above mean sea level.

AVERAGE DISCHARGE.--15 years, 62.4 cfs (1.767 cu m/s), 9.50 inches (241 mm/yr), 45,210 acre-ft (55.7 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 516 cfs (14.6 cu m/s) Sept. 28 (gage height, 7.82 ft or 2.384 m); minimum, 8.2 cfs (0.23 cu m/s) May 24, 25 (gage height, 4.07 ft or 1.241 m).
Period of record: Maximum discharge, 3,320 cfs (94.0 cu m/s) Mar. 18, 1960 (gage height, 11.00 ft or 3.353 m); no flow for many days in most years; minimum gage height, 2.21 ft (0.674 m) June 9, 1965.

REMARKS.--Records good.

REVISIONS.--WSP 1905: Drainage area.

WATER TEMPERATURE (°C).--Oct. 27 (1130) 25.0°; Dec. 12 (1340) 22.0°; Jan. 30 (1215) 14.0°; Mar. 21 (1145) 20.0°; May 10 (1430) 24.0°; June 15 (0830) 27.0°; June 26 (1225) 25.0°; Aug. 16 (1215) 26.0°; Sept. 7 (0930) 29.0°; Sept. 14 (1020) 27.0°; Sept. 18 (1045) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	40	43	137	60	80	14	13	41	112	140
2	17	15	40	41	131	55	85	14	13	36	125	171
3	20	15	39	37	137	50	87	13	13	34	126	172
4	20	15	39	35	123	46	89	13	13	42	132	208
5	21	56	40	34	115	43	87	12	14	49	157	275
6	22	32	40	32	109	41	79	11	14	48	209	305
7	22	28	38	29	102	39	73	10	14	57	273	292
8	22	26	36	29	94	36	84	9.9	15	52	292	266
9	22	25	35	28	90	37	78	14	15	58	267	258
10	21	24	33	27	126	38	68	18	14	52	229	237
11	20	23	30	36	127	35	61	15	14	61	197	223
12	20	21	29	65	131	33	61	13	17	57	174	208
13	18	21	28	68	143	32	61	12	11	55	152	187
14	17	24	26	69	156	32	61	11	11	52	138	163
15	17	24	26	72	160	31	58	11	11	54	130	165
16	17	23	25	77	150	29	52	12	13	54	117	160
17	16	23	24	79	136	29	47	12	12	53	107	155
18	16	22	24	78	124	28	41	12	12	54	99	154
19	17	23	25	73	117	26	34	11	13	67	89	138
20	17	25	24	70	110	25	29	11	15	64	82	126
21	18	24	25	64	101	28	26	10	23	61	80	127
22	17	23	51	70	94	24	23	9.6	28	64	88	122
23	16	22	44	117	87	23	21	9.0	35	69	132	114
24	16	22	44	157	81	23	19	8.5	36	73	146	109
25	15	24	45	157	77	24	17	9.3	35	76	137	106
26	15	35	47	152	75	44	16	11	36	77	133	157
27	14	32	49	162	68	36	17	12	37	77	142	476
28	15	32	49	184	62	36	15	14	38	77	148	508
29	16	37	48	195	------	46	14	13	38	76	142	485
30	15	39	46	170	------	64	14	12	38	74	136	485
31	15	------	44	150	------	73	------	13	------	77	131	------
TOTAL	551	770	1,133	2,600	3,163	1,166	1,498	370.3	611	1,851	4,622	6,692
MEAN	17.8	25.7	36.5	83.9	113	37.6	49.9	11.9	20.4	59.7	149	223
MAX	22	56	51	195	160	73	89	18	38	77	292	508
MIN	14	15	24	27	62	23	14	8.5	11	34	80	106
CFSM	.20	.29	.41	.94	1.27	.42	.56	.13	.23	.67	1.67	2.50
IN.	.23	.32	.47	1.08	1.32	.49	.62	.15	.25	.77	1.93	2.79
AC-FT	1,090	1,530	2,250	5,160	6,270	2,310	2,970	734	1,210	3,670	9,170	13,270

CAL YR 1972 TOTAL 15,557.7 MEAN 42.5 MAX 320 MIN 3.7 CFSM .48 IN 6.49 AC-FT 30,860
WTR YR 1973 TOTAL 25,027.3 MEAN 68.6 MAX 508. MIN 8.5 CFSM .77 IN 10.44 AC-FT 49,640

02263869 South Lake Outlet at S-15 near Vineland, Fla.

LOCATION.--Lat 28°24'45", long 81°32'17" in SW quarter sec.8, T.24 S., R.28 E., Orange County, on right bank at upstream wingwall of control structure 15, 300 ft (90 m) south of natural lake shoreline, 1,600 ft (490 m) west of State Road 535, and 2.4 mi (3.9 km) northwest of Vineland.

DRAINAGE AREA.--4 sq mi (10 sq km), approximately.

PERIOD OF RECORD.--June 1972 to current year.

GAGE.--Water-stage recorder and gate-opening recorder. Datum of gage is at mean sea level (Walt Disney World bench mark). Auxiliary water-stage recorder at downstream site of control structure.

EXTREMES.--Current year: Maximum daily discharge, 26 cfs (0.74 cu m/s) Sept. 29; maximum gage height, 94.13 ft (28.691 m) Apr. 8; no flow for many days; minimum gage height, 93.20 ft (28.407 m) Nov. 24.
Period of record: Maximum daily discharge, 26 cfs (0.74 cu m/s) Sept. 29, 1973; maximum gage height, 94.16 ft (28.700 m) Sept. 2, 1971; no flow for many days each year; minimum gage height, 93.02 ft (28.352 m) June 11, 1972.

REMARKS.--Records good. Flow from South Lake into South Lake outlet regulated by automatic gates in control structure 15. Gage heights are published as elevations for South Lake (sta 02263868) in reports of Geological Survey entitled "Water Resources Data for Florida, Part 1: Surface Water Records, Volume 3: Lakes."

WATER TEMPERATURES (°C).--Oct. 24 (1230) 25.0°; Dec. 11 (1345) 23.0°; Jan. 29 (1440) 16.0°; Mar. 19 (1130) 21.0°; May 8 (1350) 25.0°; Aug. 13 (1510) 30.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												0
2												0
3												0
4												0
5												0
6												0
7												0
8												0
9												0
10												0
11												0
12												0
13												0
14												0
15												0
16												0
17												0
18												0
19												0
20												0
21												0
22												0
23												0
24												0
25												0
26												0
27												0
28												12
29					------							26
30					------							16
31		------			------		------		------			------
TOTAL	0	0	0	0	0	0	0	0	0	0	0	54
MEAN	0	0	0	0	0	0	0	0	0	0	0	1.80
MAX	0	0	0	0	0	0	0	0	0	0	0	26
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	107

CAL YR 1972 TOTAL 0.00 MEAN .000 MAX .0 MIN 0 AC-FT 0
WTR YR 1973 TOTAL 54.00 MEAN .15 MAX 26 MIN 0 AC-FT 107

02263870 South Lake Outlet below S-15 near Vineland, Fla.

LOCATION.--Lat 28°24'45", long 81°32'17", in SW quarter sec.8, T.24 S., R.28 E., Orange County, on right bank at downstream wall of control structure 15, 1,600 ft (488 m) west of State Road 535 and 2.4 mi (3.9 km) northwest of Vineland.

DRAINAGE AREA.--4 sq mi (10 sq km), approximately.

PERIOD OF RECORD.--May 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Walt Disney World bench mark).

EXTREMES.--Current year: Maximum daily gage height, 89.31 ft (27.222 m) Sept. 3; minimum daily, 88.54 ft (26.987 m) Dec. 7.
Period of record: Maximum daily gage height, 89.53 ft (27.289 m) June 19, 1972; minimum daily, 86.07 ft (26.234 m) Sept. 3, 1971.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88.85	88.76	89.14	88.85	89.20	89.03	89.22	88.78	89.06	88.90	89.24	89.26
2	88.92	88.77	88.92	88.83	89.22	89.01	89.22	88.77	89.02	88.89	89.26	89.29
3	89.16	88.78	88.71	88.82	89.18	89.00	89.22	88.76	88.96	88.86	89.25	89.31
4	89.07	88.78	88.61	88.81	89.20	89.00	89.21	88.75	88.90	88.84	89.24	89.28
5	89.00	88.79	88.59	88.82	89.22	89.00	89.20	88.74	88.85	88.86	89.20	89.28
6	88.96	88.80	88.56	88.84	89.21	89.16	89.18	88.75	88.81	88.88	89.15	89.26
7	88.93	88.83	88.54	88.84	89.15	89.05	89.16	88.76	88.77	88.89	89.10	89.25
8	88.90	88.84	88.55	88.86	89.14	89.04	89.20	88.77	88.76	88.89	89.15	89.25
9	88.87	88.85	88.57	88.85	89.15	89.04	89.20	88.85	88.76	88.89	89.18	89.28
10	88.85	88.82	88.58	88.87	89.07	89.02	89.18	89.00	88.75	88.96	89.19	89.30
11	88.84	88.80	88.60	89.11	88.98	88.98	89.15	89.02	88.73	89.04	89.15	89.29
12	88.83	88.77	88.62	89.11	88.98	88.98	89.15	89.01	88.70	89.05	89.20	89.28
13	88.83	88.84	88.62	89.17	89.21	89.10	89.15	88.97	88.70	89.02	89.17	89.30
14	88.82	88.90	88.63	89.12	89.24	89.00	89.08	88.96	88.78	88.98	89.16	89.30
15	88.81	88.93	88.67	89.13	89.21	88.91	89.00	88.93	88.79	88.95	89.17	89.28
16	88.80	88.95	88.72	89.17	89.21	88.88	88.96	88.90	88.82	88.96	89.10	89.27
17	88.78	88.94	88.77	89.07	89.20	88.89	88.96	88.89	88.83	88.97	89.12	89.26
18	88.77	88.93	88.83	89.01	89.20	88.91	88.94	88.86	88.83	88.98	89.23	89.25
19	88.75	88.92	88.88	89.00	89.17	88.91	88.91	88.85	88.87	88.98	89.21	89.24
20	88.74	88.91	88.94	89.05	89.18	88.90	88.90	88.83	88.92	88.96	89.20	89.24
21	88.74	88.91	89.01	89.01	89.18	88.89	88.87	88.80	88.98	88.94	89.21	89.22
22	88.73	88.94	89.11	89.05	89.18	88.88	88.84	88.79	89.09	88.92	89.21	89.18
23	88.73	89.14	88.91	89.23	89.22	88.87	88.84	88.77	89.22	88.90	89.25	89.20
24	88.73	89.06	88.93	89.22	89.16	88.86	88.82	88.77	89.05	88.86	89.25	89.14
25	88.73	88.82	88.91	89.22	89.08	88.95	88.79	88.84	88.94	88.83	89.24	89.16
26	88.71	88.99	88.92	89.23	89.10	89.24	88.79	88.98	88.90	88.80	89.21	89.25
27	88.69	89.11	88.95	89.23	89.16	89.22	88.84	89.02	88.90	88.80	89.24	89.26
28	88.70	89.08	88.94	89.24	89.07	89.21	88.82	89.04	88.90	88.82	89.22	89.28
29	88.75	89.07	88.93	89.23	------	89.22	88.80	89.03	88.89	88.83	89.18	89.28
30	88.75	89.17	88.90	89.21	------	89.24	88.79	89.01	88.86	88.86	89.14	89.28
31	88.76	------	88.87	89.20	------	89.22	------	89.05	------	89.00	89.20	------
MEAN	88.82	88.91	88.79	89.05	89.16	89.02	89.01	88.88	88.88	88.91	89.19	89.26
MAX	89.16	89.17	89.14	89.24	89.24	89.24	89.22	89.05	89.22	89.05	89.26	89.31
MIN	88.69	88.76	88.54	88.81	88.98	88.86	88.79	88.74	88.70	88.80	89.10	89.14

CAL YR 1972 MEAN 88.93 MAX 89.53 MIN 87.76
WTR YR 1973 MEAN 88.99 MAX 89.31 MIN 88.54

02264000 Cypress Creek at Vineland, Fla.

LOCATION.--Lat 28°23'25", long 81°31'11", in NW quarter sec.21, T.24 S., R.28 E., Orange County, at upstream side of culverts on State Highway 535, 1.0 mi (1.6 km) west of Vineland.

DRAINAGE AREA.--30.3 sq mi (78.5 sq km).

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 96.20 ft (29.322 m) above mean sea level. Prior to June 13, 1946, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--28 years, 7.66 cfs (0.217 cu m/s), 3.43 in/yr (87 mm/yr), 5,550 acre-ft/yr (6.84 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 4.5 cfs (0.13 cu m/s) Feb. 9 (gage height, 2.26 ft or 0.689 m); no flow for many days. Creek dry at gage for many days.
Period of record: Maximum discharge, 354 cfs (10.0 cu m/s) Sept. 11, 1960 (gage height, 4.66 ft or 1.420 m); no flow for many days in most years. Creek dry at gage for many days in some years.

REMARKS.--Records fair. Some diversions by pumping above stations for irrigation.

REVISIONS.--WSP 1554: Drainage area.

WATER TEMPERATURE (°C).--Jan. 29 (1150) 15.0°; Mar. 19 (1100) 18.0°; Sept. 17 (1000) 25.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0		0	0	1.8	.73	1.2	.15			0	.10
2	0		0	0	2.0	.70	1.2	.09			0	.21
3	.08		0	0	2.6	.67	1.1	.04			0	.31
4	.16		0	0	2.3	.60	1.3	0			0	.28
5	.15		0	0	2.0	.57	1.4	0			0	.22
6	.13		0	0	1.8	.54	1.2	0			0	.19
7	.11		0	0	1.6	.47	1.1	0			0	.19
8	.10		0	0	1.4	.45	2.0	0			0	.25
9	.08		0	0	1.7	.57	1.7	0			0	.38
10	.06		0	0	3.8	.63	1.5	0			0	.70
11	.06		0	.01	3.2	.50	1.4	0			0	.90
12	.04		0	.15	2.8	.47	1.3	0			0	.90
13	.02		0	.15	2.5	.43	1.2	0			0	.90
14	0		0	.14	2.3	.40	1.1	0			0	.85
15	0		0	.14	2.3	.36	.95	0			0	.73
16	0		0	.13	2.0	.34	.85	0			0	.73
17	0		0	.13	1.8	.36	.77	0			0	.63
18	0		0	.13	1.8	.31	.70	0			0	.54
19	0		0	.13	1.9	.29	.63	0			0	.47
20	0		0	.13	1.7	.28	.54	0			0	.43
21	0		0	.12	1.5	.29	.47	0			0	.38
22	0		0	.21	1.3	.25	.40	0			0	.34
23	0		0	1.1	1.3	.24	.34	0			0	.38
24	0		.01	1.5	1.2	.22	.28	0			.01	.42
25	0		.01	1.5	1.0	.42	.23	0			.04	.50
26	0		.01	1.5	.95	1.3	.23	0			.07	1.1
27	0		.01	1.8	.90	1.1	.38	0			.08	2.6
28	0		0	2.2	.77	1.0	.33	0			.11	2.4
29	0		0	2.5	------	1.2	.27	0			.07	2.0
30	0		0	2.3	------	1.3	.21	0			.05	1.7
31	0	------	0	2.0	------	1.2	------	0	------		.05	------
TOTAL	.99	0	.04	17.97	52.22	18.19	26.28	.28	0	0	.48	21.73
MEAN	.032	0	.001	.58	1.87	.59	.88	.009	0	0	.016	.72
MAX	.16	0	.01	2.5	3.8	1.3	2.0	.15	0	0	.11	2.6
MIN	0	0	0	0	.77	.22	.21	0	0	0	0	.10
CFSM	.001	0	0	.02	.06	.02	.03	.0003	0	0	.0005	.02
IN.	.001	0	0	.02	.06	.02	.03	0	0	0	0	.03
AC-FT	2.0	0	.08	36	104	36	52	.6	0	0	1.0	43

CAL YR 1972 TOTAL 247.30 MEAN .68 MAX 9.9 MIN 0 CFSM .02 IN .30 AC-FT 491
WTR YR 1973 TOTAL 138.18 MEAN .38 MAX 3.8 MIN 0 CFSM .01 IN .17 AC-FT 274

PEAK DISCHARGE (BASE, 30 cfs).--No peak above base.

02264100 Bonnet Creek near Vineland, Fla.

LOCATION.--Lat 28°19'58", long 81°31'20", in NW quarter sec.9, T.25 S., R.28 E., Osceola County, on downstream side of bridge on State Highway 530, about 1 mi (2 km) upstream from Reedy Creek Swamp and 4.5 mi (7.2 km) south of Vineland.

DRAINAGE AREA.--56.1 sq mi (145.3 sq km).

PERIOD OF RECORD.--May 1966 to current year. Miscellaneous discharge measurements for some periods prior to May 1966.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Florida Department of Transportation bench mark). Prior to Oct. 1, 1968, at datum 37.96 ft (11.570 m) higher.

AVERAGE DISCHARGE.--7 years, 19.2 cfs (0.544 cu m/s), 13,910 acre-ft/yr (17.2 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 56 cfs (1.59 cu m/s) Feb. 10; maximum gage height, 73.62 ft (22.439 m) Sept. 26; minimum daily discharge, 1.0 cfs (0.028 cu m/s) May 7; minimum gage height, 72.51 ft (22.101 m) Dec. 25.

Period of record: Maximum discharge, 432 cfs (12.2 cu m/s) Oct. 2, 1966; maximum gage height, 78.58 ft (23.951 m) Nov. 1, 1969; no flow May 11 to June 1, June 4-9, 1967, Nov. 6, 1968, Aug. 22, 1969; minimum gage height, 68.32 ft (20.824 m) Aug. 21, 1969.

Flood of Sept. 11, 1960, reached a stage of 42.5 ft (12.95 m), datum then in use, from floodmarks, discharge, 1,200 cfs (34.0 cu m/s).

REMARKS.--Records poor. Since October 1968, flow regulated by automatic gates upstream and since December 1970, by control structure S-11-temporary 0.5 mi (0.8 km) downstream.

WATER TEMPERATURE (°C).--Oct. 25 (1355) 25.0°; Dec. 12 (1200) 22.0°; Jan. 30 (1030) 15.0°; Mar. 21 (1020) 22.0°; May 10 (0930) 25.0°; June 26 (1100) 28.5°; Aug. 16 (1045) 28.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.9	11	6.8	23	13	14	3.4	4.8	9.0	7.6	37
2	6.9	4.9	13	6.8	27	13	13	2.7	5.5	8.3	18	44
3	6.9	5.3	11	6.8	33	12	13	2.7	5.5	6.9	18	46
4	6.9	5.3	9.9	6.8	28	12	14	2.7	4.8	9.0	15	37
5	7.6	4.9	11	6.8	24	11	14	2.0	4.8	7.6	13	28
6	9.0	4.9	11	6.8	24	18	11	2.0	4.8	6.9	14	23
7	8.3	5.3	9.9	6.1	19	18	11	1.0	4.8	6.2	13	21
8	8.3	4.9	8.4	6.1	18	12	18	2.0	4.8	6.2	14	20
9	8.3	4.9	7.6	5.3	28	11	14	3.4	4.1	6.2	18	36
10	8.3	4.9	6.8	5.3	56	13	13	2.7	4.1	6.2	17	41
11	7.6	4.9	6.8	6.8	37	15	10	3.4	4.1	6.2	14	40
12	7.6	4.9	5.3	24	28	13	9.0	4.1	3.4	6.2	13	38
13	7.6	4.9	6.1	11	24	12	9.0	4.1	3.4	6.2	12	36
14	8.3	5.3	6.1	13	27	12	9.0	4.8	3.4	6.2	12	44
15	8.3	4.9	6.8	11	37	12	8.3	4.1	3.4	5.5	16	37
16	8.3	4.4	4.4	11	24	11	7.6	3.4	3.4	5.5	28	31
17	8.3	4.4	4.0	11	19	9.9	6.2	3.4	2.7	6.2	9.0	25
18	7.6	4.4	4.4	11	20	9.2	5.5	3.4	2.0	6.2	11	22
19	6.9	4.9	4.4	11	20	9.2	5.5	3.4	2.7	5.5	14	28
20	6.2	4.4	4.9	9.9	19	8.4	4.8	4.1	2.0	5.5	34	24
21	5.5	4.0	6.1	9.2	19	8.4	4.8	4.1	4.1	5.5	23	17
22	5.5	4.0	13	14	18	7.6	4.1	4.1	4.1	6.2	24	15
23	5.5	4.0	11	50	21	7.6	4.1	4.1	3.4	5.5	27	14
24	5.5	4.4	9.2	30	19	7.6	4.1	4.8	3.4	5.5	24	15
25	6.2	9.9	6.8	26	17	11	3.4	5.5	4.8	4.8	21	16
26	6.9	13	7.6	24	15	24	4.1	5.5	6.2	5.5	18	39
27	6.9	9.9	6.8	28	13	17	4.8	5.5	6.2	6.2	18	38
28	7.6	8.4	6.8	36	13	14	4.1	5.5	6.2	6.2	17	36
29	6.9	12	6.8	32	------	15	3.4	5.5	6.2	6.9	16	34
30	6.2	13	6.8	30	------	17	3.4	5.5	9.0	6.2	15	30
31	6.5	------	6.8	23	------	15	------	4.8	------	6.9	18	------
TOTAL	221.2	180.2	240.5	485.5	670	388.9	250.2	117.7	132.1	197.1	531.6	912
MEAN	7.14	6.01	7.76	15.7	23.9	12.5	8.34	3.80	4.40	6.36	17.1	30.4
MAX	9.0	13	13	50	56	24	18	5.5	9.0	9.0	34	46
MIN	4.8	4.0	4.0	5.3	13	7.6	3.4	1.0	2.0	4.8	7.6	14
AC-FT	439	357	477	963	1,330	771	496	233	262	391	1,050	1,810

CAL YR 1972 TOTAL 5,358.8 MEAN 14.6 MAX 228 MIN 3.4 AC-FT 10,630
WTR YR 1973 TOTAL 4,327.0 MEAN 11.9 MAX 56 MIN 1.0 AC-FT 8,580

02264495 Shingle Creek at Campbell, Fla.

LOCATION.--Lat 28°16'01", long 81°26'53", in SE quarter sec.31, T.25 S., R.29 E., Osceola County, near left bank at downstream side of bridge on county road, 100 ft (30 m) downstream from Atlantic Coast Line Railroad bridge, 0.8 mi (1.3 km) northeast of Campbell, and 2.5 mi (4.0 km) upstream from Lake Tohopekaliga.

DRAINAGE AREA.--180 sq mi (466 sq km), approximately, includes part of watershed in Reedy Creek Swamp.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Water-stage recorder for Lake Tohopekaliga used as auxiliary gage for this station.

AVERAGE DISCHARGE.--5 years, 109 cfs (3.087 cu m/s), 78,970 acre-ft/yr (97.4 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 906 cfs (25.7 cu m/s) Sept. 27 (gage height, 58.10 ft or 17.709 m); minimum daily discharge, 22 cfs (0.62 cu m/s) May 28; minimum gage height, 51.85 ft (15.804 m) June 15.
Period of record: Maximum discharge, 1,510 cfs (42.8 cu m/s) Oct. 5, 1969 (gage height, 59.72 ft or 18.203 m); minimum daily discharge, 3.1 cfs (0.088 cu m/s) May 9, 10, 1971; minimum gage height, 49.78 ft (15.173 m) May 10, 1971.

REMARKS.--Records fair. Considerable flow diverted from Reedy Creek Swamp into Shingle Creek above station.

WATER TEMPERATURES (°C).--Oct. 27 (1330) 25.0°; Dec. 13 (1425) 23.0°; Jan. 30 (1340) 13.0°; Mar. 21 (1315) 20.0°; May 10 (1230) 25.0°; June 26 (1330) 28.0°; Aug. 16 (1330) 28.0°; Sept. 18 (1230) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	39	71	76	298	115	88	41	36	97	293	319
2	63	35	65	72	281	105	101	41	36	128	366	384
3	78	32	65	73	359	94	101	30	36	75	332	389
4	84	42	62	69	297	94	121	41	33	134	301	369
5	71	73	62	69	256	89	124	41	30	237	279	386
6	70	66	62	65	233	78	108	40	30	217	278	401
7	60	49	65	65	214	64	85	37	36	281	305	403
8	50	49	59	54	196	73	136	33	33	220	332	396
9	60	42	59	75	189	79	120	49	30	168	330	406
10	66	39	55	67	445	80	111	53	33	151	303	417
11	73	39	52	80	352	80	90	41	30	127	281	414
12	73	39	55	189	291	73	81	37	30	119	274	428
13	63	39	52	161	270	72	75	33	27	139	260	440
14	56	43	41	130	274	60	83	36	27	128	251	404
15	56	49	41	112	286	60	82	32	30	125	241	391
16	53	42	63	108	279	54	81	38	36	103	208	387
17	53	45	49	112	252	58	72	31	30	91	184	354
18	53	42	50	121	239	62	62	27	24	82	164	306
19	53	39	44	121	246	68	65	33	33	115	149	294
20	65	42	44	118	214	62	64	32	36	118	150	264
21	63	49	37	115	193	50	55	32	47	88	157	240
22	53	45	106	154	178	53	51	31	97	82	183	240
23	49	45	97	397	163	54	50	28	131	100	361	231
24	49	42	86	476	157	59	38	28	144	91	375	219
25	46	43	86	412	147	49	34	37	97	88	313	220
26	46	64	82	337	142	80	38	31	81	85	285	415
27	35	61	82	350	136	79	27	25	70	97	280	890
28	25	57	83	436	126	73	41	22	59	112	276	791
29	28	68	79	501	------	78	41	24	51	112	271	681
30	32	69	83	426	------	73	37	33	70	117	263	624
31	35	------	80	347	------	78	------	36	------	149	277	------
TOTAL	1,724	1,428	2,017	5,898	6,713	2,266	2,262	1,073	1,483	3,977	8,342	12,093
MEAN	55.6	47.6	65.1	190	240	73.1	75.4	34.6	49.4	128	269	403
MAX	84	73	106	501	445	115	136	53	144	281	381	890
MIN	25	32	37	54	126	49	27	22	24	75	149	219
AC-FT	3,420	2,830	4,000	11,700	13,320	4,490	4,490	2,130	2,940	7,890	16,550	23,990

CAL YR 1972 TOTAL 35,641 MEAN 97.4 MAX 472 MIN 18 AC-FT 70,690
WTR YR 1973 TOTAL 49,276 MEAN 135 MAX 890 MIN 22 AC-FT 97,740

02266200 Whittenhorse Creek near Vineland, Fla.

LOCATION.--Lat 28°23'05", long 81°37'00", in NW quarter sec.21, T.24 S., R.27 E., Orange County, near center of channel 12 ft (4 m) downstream from culverts on Hartzog Road, 7 mi (11 km) west of Vineland.

DRAINAGE AREA.--12.4 sq mi (32.1 sq km).

PERIOD OF RECORD.--May 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7.23 ft (2.204 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 4.01 cfs (0.114 cu m/s), 4.39 in/yr (112 mm/yr), 2,910 acre-ft/yr (3.59 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 9.8 cfs (0.28 cu m/s) Apr. 8; maximum gage height, 94.01 ft (28.654 m) Apr. 8; no flow for many days. Creek dry at gage for many days.
Period of record: Maximum daily discharge, 50 cfs (1.42 cu m/s) Feb. 7, 1970; maximum gage height, 94.69 ft (28.862 m) Feb. 7, 1970; no flow for many days each year. Creek dry at gage for many days in most years.

REMARKS.--Records good.

WATER TEMPERATURE (°C).--Oct. 25 (1100) 21.0°; Dec. 13 (1000) 19.0°; Jan. 31 (1300) 12.0°; Mar. 20 (1100) 17.5°; May 9 (1100) 22.0°; Sept. 14 (1200) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	0	.12	.50	7.0	3.8	9.5	.18				0
2	.55	0	.10	.40	7.1	3.5	9.3	.14				0
3	2.4	0	.09	.36	7.7	3.2	9.1	.12				0
4	2.5	0	.07	.30	7.4	2.9	8.8	.06				0
5	2.4	0	.06	.28	7.1	2.6	8.6	.05				0
6	2.1	0	.06	.24	6.8	2.4	8.1	.03				.06
7	1.7	0	.06	.22	6.5	2.3	7.4	.01				.12
8	1.4	0	.06	.20	6.2	2.2	9.8	0				.28
9	.85	0	.05	.18	6.4	2.4	9.5	.03				1.3
10	.70	0	.05	.19	8.4	2.7	9.1	.06				3.2
11	.50	0	.05	.85	8.2	2.6	8.6	.05				4.2
12	.33	0	.04	2.4	7.9	2.5	8.1	.03				5.4
13	.28	0	.03	2.7	7.7	2.3	7.4	.03				6.8
14	.20	0	.03	2.7	7.4	1.9	6.6	.05				9.0
15	.17	0	.05	2.6	7.2	1.6	5.9	.04				8.8
16	.14	0	.06	2.6	7.1	1.4	5.3	.02				8.4
17	.12	0	.05	2.5	6.6	1.4	4.7	0				8.1
18	.10	0	.05	2.4	6.6	1.2	4.2	0				7.7
19	.06	0	.05	2.3	7.0	.80	3.6	0				7.1
20	.06	0	.05	2.1	6.6	.60	3.2	0				6.5
21	.05	0	.10	1.9	6.4	.55	2.8	0				5.8
22	.05	0	1.3	2.8	5.8	.50	2.3	0				5.2
23	.04	0	1.4	5.6	5.6	.36	1.8	0				4.7
24	.02	0	1.3	7.7	5.2	.28	1.3	0				4.4
25	.01	0	1.3	7.4	4.9	1.6	.90	0				4.1
26	0	.02	1.3	7.1	4.7	8.4	.70	0				4.2
27	0	.04	1.0	6.5	4.5	8.6	.85	0				5.7
28	.01	.05	.85	7.0	4.1	8.4	.60	0				5.7
29	.03	.06	.75	7.7	------	8.8	.40	0				5.6
30	.02	.10	.65	7.1	------	9.5	.24	0				5.4
31	.01	------	.60	7.1	------	9.5	------	0	------			------
TOTAL	17.08	.27	11.73	93.92	184.1	100.79	158.69	.90	0	0	0	127.76
MEAN	.55	.009	.38	3.03	6.58	3.25	5.29	.029	0	0	0	4.26
MAX	2.5	.10	1.4	7.7	8.4	9.5	9.8	.18	0	0	0	9.0
MIN	0	0	.03	.18	4.1	.28	.24	0	0	0	0	0
CFSM	.04	.0007	.03	.24	.53	.26	.43	.002	0	0	0	.34
IN.	.05	0	.04	.28	.55	.30	.48	.002	0	0	0	.38

CAL YR 1972 TOTAL 1,032.27 MEAN 2.82 MAX 30 MIN 0 CFSM .23 IN 3.10
WTR YR 1973 TOTAL 695.24 MEAN 1.90 MAX 9.8 MIN 0 CFSM .15 IN 2.09

02266300 Reedy Creek near Vineland, Fla.

LOCATION.--Lat 28°19'57", long 81°34'48", in NE quarter sec.11, T.25 S., R.27 E., Osceola County, on downstream side of bridge on U.S. Highway 192 about 2.5 mi (4.0 km) upstream from bridge on Interstate Highway 4, 6.5 mi (10.5 km) southwest of Vineland, and 28 mi (45 km) upstream from mouth.

DRAINAGE AREA.--75 sq mi (194 sq km), approximately.

PERIOD OF RECORD.--Water years 1960, 1962-66 (annual maximum), May 1966 to current year. Miscellaneous discharge measurements for some periods prior to May 1966.

GAGE.--Water-stage recorder. Datum of gage is 66.37 ft (20.230 m) above mean sea level. Sept. 26, 1962, to January 1966, crest-stage gage at site 100 ft (30 m) upstream at same datum.

AVERAGE DISCHARGE.--7 years, 29.5 cfs (0.835 cu m/s), 21,370 acre-ft/yr (26.3 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 228 cfs (6.46 cu m/s) Sept. 15 (gage height, 11.39 ft or 3.472 m); minimum, 4.1 cfs (0.12 cu m/s) May 24, 25 (gage height 8.60 ft or 2.621 m).
Period of record: Maximum discharge, 1,910 cfs (54.1 cu m/s) Sept. 11, 1960 (gage height, 14.9 ft or 4.54 m), from floodmark; no flow for many days in most years; minimum gage height, 8.18 ft (2.493 m) May 12, 1968.

REMARKS.--Records good. Small diurnal fluctuation at low flow.

WATER TEMPERATURE (°C).--Oct. 25 (1300) 23.0°; Dec. 12 (1015) 20.0°; Jan. 31 (1130) 13.0°; Mar. 20 (1000) 18.0°; May 9 (1015) 24.0°; June 27 (1010) 23.0°; Aug. 14 (1030) 25.0°; Sept. 17 (1245) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	9.1	38	21	61	26	61	14	7.3	20	50	61
2	34	8.5	25	20	53	25	53	17	7.0	15	60	81
3	82	8.6	20	20	74	26	46	20	7.4	14	60	117
4	53	9.0	20	20	65	24	49	19	7.4	13	48	125
5	35	9.8	19	19	50	24	61	12	6.6	15	35	100
6	28	9.7	18	23	45	26	45	9.8	6.0	22	28	75
7	22	9.7	19	24	51	24	37	9.1	5.5	17	23	59
8	19	10	19	19	39	22	70	9.2	6.1	13	25	53
9	16	9.8	18	20	39	23	74	14	6.8	14	20	65
10	14	9.4	17	21	109	33	52	28	6.2	18	15	141
11	13	9.1	17	39	104	33	42	18	5.6	16	12	160
12	12	9.0	16	78	82	22	38	14	5.9	14	18	117
13	11	9.1	15	78	64	21	34	16	6.7	16	18	100
14	10	14	15	55	62	20	32	23	13	13	16	138
15	9.7	16	20	46	63	17	28	16	13	12	18	194
16	9.7	11	25	40	58	15	27	12	11	12	18	131
17	10	10	16	35	49	19	22	9.7	10	12	17	99
18	11	9.4	14	34	47	20	21	9.6	10	14	31	113
19	13	9.7	15	30	50	16	19	9.4	13	17	41	79
20	13	12	15	30	57	16	18	7.8	27	15	41	42
21	12	12	16	28	46	17	17	10	31	12	43	35
22	11	11	61	31	39	20	16	6.2	38	11	36	30
23	12	11	65	84	35	15	16	4.9	54	12	51	29
24	15	9.8	45	144	35	13	15	4.2	53	12	60	30
25	11	12	35	92	35	15	15	4.7	42	12	47	55
26	10	37	35	72	40	112	21	6.5	32	12	39	65
27	9.6	32	28	71	31	129	28	6.4	26	12	36	77
28	11	22	23	75	29	83	19	6.1	21	15	34	71
29	24	24	22	82	------	69	15	5.7	17	18	34	66
30	21	38	22	73	------	86	14	5.4	15	26	35	59
31	11	------	22	60	------	66	------	6.6	------	36	41	------
TOTAL	584.0	411.7	755	1,484	1,512	1,077	1,005	354.3	510.5	480	1,050	2,567
MEAN	18.8	13.7	24.4	47.9	54.0	34.7	33.5	11.4	17.0	15.5	33.9	85.6
MAX	82	38	65	144	109	129	74	28	54	36	60	194
MIN	9.6	8.5	14	19	29	13	14	4.2	5.5	11	12	29
AC-FT	1,160	817	1,500	2,940	3,000	2,140	1,990	703	1,010	952	2,080	5,090

CAL YR 1972 TOTAL 12,263.2 MEAN 33.5 MAX 318 MIN 5.5 AC-FT 24,320
WTR YR 1973 TOTAL 11,790.5 MEAN 32.3 MAX 194 MIN 4.2 AC-FT 23,390

02266480 Davenport Creek near Loughman, Fla.

LOCATION.--Lat 28°16'15", long 81°35'28", in NW quarter sec.35, T.25 S., R.27 E., Osceola County, at downstream side of culverts on State Highway 545, 2.0 mi (3.2 km) upstream from mouth and 2.5 mi (4.0 km) northwest of Loughman.

DRAINAGE AREA.--23 sq mi (60 sq km), approximately.

PERIOD OF RECORD.--January 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 80.49 ft (24.533 m) above mean sea level (Florida Department of Transportation bench mark).

EXTREMES.--Current year: Maximum dishcarge, 63 cfs (1.78 cu m/s) Jan. 24 (gage height, 7.22 ft or 2.201 m); minimum, 1.2 cfs (0.034 cu m/s) May 4-8, June 15; minimum gage height, 4.25 ft (1.295 m) June 15.
Period of record: Maximum discharge, 498 cfs (14.1 cu m/s) Sept. 22, 1969 (gage height, 9.76 ft or 2.975 m); minimum, 0.40 cfs (0.011 cu m/s) Apr. 23, June 7-11, 16-18, 1972 (gage height, 4.10 ft or 1.250 m).

REMARKS.--Records good.

WATER TEMPERATURE (°C).--Oct. 26 (1040) 22.0°; Dec. 13 (1120) 21.0°; Jan. 31 (1430) 13.0°; Mar. 20 (1305) 18.0°; May 9 (1310) 22.0°; June 27 (1120) 24.0°; Aug. 14 (1230) 25.0°; Sept. 17 (1120) 25.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.2	11	6.1	21	8.3	7.8	2.5	1.9	12	13	7.0
2	8.4	2.9	9.1	5.9	19	7.8	8.3	3.4	2.0	10	15	10
3	25	2.8	7.4	5.8	21	7.3	7.5	1.6	1.7	7.4	15	11
4	16	2.6	6.3	5.6	23	6.9	7.6	1.4	1.6	7.3	13	9.9
5	13	2.6	5.9	5.5	21	6.5	8.3	1.4	1.5	13	11	8.3
6	11	2.6	5.6	5.3	19	6.2	7.9	1.3	1.5	10	9.0	6.4
7	7.6	2.8	5.4	5.1	16	5.9	7.0	1.3	1.4	7.6	9.8	5.4
8	6.2	2.9	5.2	5.1	14	5.8	8.1	1.3	1.6	5.8	11	5.7
9	5.5	2.7	5.0	4.9	13	7.1	7.8	2.9	1.7	4.9	9.1	10
10	4.5	2.6	4.8	4.9	23	9.1	7.1	3.5	1.6	4.5	6.9	28
11	3.2	2.6	4.6	8.7	29	8.3	6.1	2.6	1.6	3.7	5.6	35
12	3.3	2.5	4.5	18	26	7.5	5.2	2.0	1.6	3.6	5.5	24
13	3.9	2.6	4.3	23	24	6.5	3.9	2.3	1.5	6.3	4.9	17
14	3.6	3.6	4.2	21	21	5.9	2.3	5.1	1.4	9.3	4.4	14
15	3.4	3.5	4.8	16	19	5.5	3.0	4.0	1.4	7.5	4.1	12
16	3.3	3.0	5.1	13	17	5.1	3.1	3.2	1.6	5.6	3.9	11
17	3.1	2.9	4.6	11	15	5.3	2.9	2.8	1.6	4.5	3.8	8.7
18	2.9	2.7	4.4	9.8	14	6.1	2.7	2.5	1.5	5.0	3.5	7.2
19	2.9	3.0	4.3	8.7	16	4.2	2.6	2.3	5.2	7.1	3.2	6.6
20	2.9	3.9	4.3	8.0	16	2.8	2.4	2.1	6.0	7.5	7.1	7.2
21	2.9	3.6	4.9	7.3	15	3.9	2.3	1.9	5.0	5.7	14	6.2
22	2.7	3.3	17	12	11	3.8	2.2	1.8	5.3	4.8	11	6.0
23	2.6	3.2	18	30	12	3.6	2.0	1.7	5.9	5.2	10	6.0
24	2.6	3.1	14	58	12	3.4	2.0	1.7	4.9	4.6	8.9	6.6
25	2.5	4.5	11	52	10	4.6	1.9	2.2	4.4	4.2	7.4	11
26	2.5	8.3	10	37	9.9	14	2.2	2.7	5.0	3.7	6.2	15
27	2.6	6.3	8.7	29	9.3	15	3.3	2.0	3.9	3.5	6.1	31
28	3.9	5.4	7.8	27	8.7	13	2.5	1.7	3.3	3.8	7.1	47
29	4.9	7.2	7.0	30	------	11	2.2	1.6	2.9	4.6	6.1	36
30	4.1	11	6.5	30	------	12	2.0	1.9	3.8	5.9	5.9	24
31	3.6	------	6.2	25	------	9.1	------	2.2	------	7.9	5.8	------
TOTAL	167.3	113.9	221.9	528.7	474.9	221.5	134.2	70.9	84.3	196.5	247.3	433.2
MEAN	5.40	3.80	7.16	17.1	17.0	7.15	4.47	2.29	2.81	6.34	7.98	14.4
MAX	25	11	18	58	29	15	8.3	5.1	6.0	13	15	47
MIN	2.5	2.5	4.2	4.9	8.7	2.8	1.9	1.3	1.4	3.5	3.2	5.4
CFSM	.23	.17	.31	.74	.74	.31	.19	.10	.12	.28	.35	.63
IN.	.27	.18	.36	.86	.77	.36	.22	.11	.14	.32	.40	.70
AC-FT	332	226	440	1,050	942	439	266	141	167	390	491	859

CAL YR 1972	TOTAL 2,126.00	MEAN 5.81	MAX 68	MIN .45	CFSM .25	IN 3.44	AC-FT 4,220
WTR YR 1973	TOTAL 2,894.60	MEAN 7.93	MAX 58	MIN 1.3	CFSM .34	IN 4.68	AC-FT 5,740

PEAK DISCHARGE (BASE 80 cfs).--No peaks above base.

02266500 Reedy Creek near Loughman, Fla.

LOCATION.--Lat 28°15'48", long 81°32'12", in SW quarter sec.32, T.25 S., R.28 E., Osceola County, on left bank 20 ft (6 m) upstream from bridge on U. S. Highways 17 and 92, 1.0 mi (1.6 km) downstream from Reedy Creek Improvement District Structure 40, 2.5 mi (4.0 km) northeast of Loughman, 3 mi (5 km) downstream from Davenport Creek, and 21 mi (34 km) upstream from mouth.

DRAINAGE AREA.--110 sq mi (285 sq km), approximately, includes part of watershed in Reedy Creek Swamp, which is indeterminate.

PERIOD OF RECORD.--October 1939 to September 1959, July 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.49 ft (19.656 m) above mean sea level. Prior to Aug. 20, 1940, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years, 78.3 cfs (2.217 cu m/s), 56,730 acre-ft/yr (69.9 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 72 cfs (2.04 cu m/s) Feb. 10 (gage height, 2.70 ft or 0.823 m); no flow for many days; minimum gage height, 0.04 ft (0.012 m) June 14.
Period of record: Maximum discharge, 790 cfs (22.4 cu m/s) Sept. 24, 1969 (gage height, 4.25 ft or 1.295 m), from rating curve extended above 400 cfs (11.3 cu m/s); no flow on many days in some years; minimum gage height, -0.16 ft (-0.049 m) June 11, 1972.

REMARKS.--Records fair except those below 10 cfs (0.28 cu m/s), which are poor. Natural flow of stream affected by several canals above station which divert an undetermined amount of water into Shingle Creek basin. Since May 1970, flow regulated by Reedy Creek Improvement District Structure 40.

REVISIONS.--WRD Fla. 1968: Drainage area.

WATER TEMPERATURE (°C).--Oct. 26 (1215) 22.0°; Dec. 13 (1250) 22.0°; Feb. 1 (1200) 13.0°; Mar. 20 (1415) 18.0°; June 27 (1140) 30.0°; Aug. 14 (1315) 27.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	7.4	26	25	67	45	34	13	0	0	.88	2.3
2	16	7.3	26	24	68	42	35	11	0	0	4.4	4.2
3	26	13	26	24	69	40	36	6.2	0	0	6.6	4.9
4	27	14	25	23	68	37	37	3.5	0	0	8.4	5.0
5	26	15	24	22	67	35	39	1.4	0	0	7.0	4.4
6	24	14	23	21	64	33	36	.32	0	0	5.1	3.5
7	24	14	22	21	67	32	35	0	0	.08	4.4	2.6
8	22	14	22	20	64	31	40	0	0	0	3.1	2.5
9	20	14	21	20	64	32	37	1.4	0	0	2.8	2.7
10	18	13	20	20	72	32	35	5.5	0	.40	1.6	4.3
11	17	13	19	26	71	31	35	3.9	0	.95	1.1	4.3
12	16	13	19	41	69	30	33	2.1	0	1.0	6.9	4.1
13	16	13	18	43	67	28	32	.71	0	.71	6.5	4.3
14	14	14	17	45	64	26	30	0	0	.24	5.2	4.8
15	13	14	18	45	66	24	28	0	0	0	3.7	5.4
16	13	14	18	45	64	23	26	0	0	0	2.3	9.1
17	13	14	18	43	62	23	25	0	0	0	1.0	15
18	12	13	18	41	59	21	24	0	0	0	.12	20
19	12	13	17	40	59	20	22	0	0	0	0	24
20	12	14	17	37	62	19	20	0	0	0	.08	26
21	12	14	18	35	59	18	19	0	0	0	1.4	26
22	11	14	31	41	57	17	17	0	.10	0	1.4	25
23	11	14	32	57	54	17	16	0	.27	0	3.6	23
24	11	13	33	67	52	16	16	0	0	0	5.5	22
25	11	14	35	64	49	17	15	0	0	0	4.8	21
26	11	19	35	62	49	27	15	0	0	0	4.6	20
27	11	20	33	63	47	27	16	0	0	0	4.2	35
28	11	21	32	66	47	30	15	0	0	0	3.8	45
29	12	24	30	71	------	34	14	0	0	0	2.8	47
30	12	24	28	69	------	35	14	0	0	0	2.1	51
31	11	------	26	68	------	35	------	0	------	0	1.6	------
TOTAL	479	437.7	747	1,289	1,727	877	796	49.03	.37	3.38	106.98	468.4
MEAN	15.5	14.6	24.1	41.6	61.7	28.3	26.5	1.58	.012	.11	3.45	15.6
MAX	27	24	35	71	72	45	40	13	.27	1.0	8.4	51
MIN	11	7.3	17	20	47	16	14	0	0	0	0	2.3
AC-FT	950	868	1,480	2,560	3,430	1,740	1,580	97	.7	6.7	212	929

CAL YR 1972 TOTAL 12,115.82 MEAN 33.1 MAX 400 MIN 0 AC-FT 24,030
WTR YR 1973 TOTAL 6,980.86 MEAN 19.1 MAX 72 MIN 0 AC-FT 13,850

02267000 Catfish Creek near Lake Wales, Fla.

LOCATION.--Lat 27°57'40", long 81°29'48", in sec.14, T.29 S., R.28 E., Polk County, on left bank, 0.2 mi (0.3 km) downstream from Lake Pierce, 7 mi (11 km) northeast of Lake Wales, and 9.3 mi (15.0 km) upstream from mouth.

DRAINAGE AREA.--58.9 sq mi (152.6 sq km).

PERIOD OF RECORD.-- October 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 72.70 ft (22.159 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--26 years, 48.6 cfs (1.376 cu m/s), 11.21 in/yr (285 mm/yr), 35,210 acre-ft/yr (43.4 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 60 cfs (1.70 cu m/s) Sept. 13; maximum gage height, 4.86 ft (1.481 m) Sept. 12; minimum daily discharge, 9.1 cfs (0.26 cu m/s) Oct. 27; minimum gage height 3.19 ft (0.972 m) Nov. 18, 19.
Period of record: Maximum daily discharge, 235 cfs (6.66 cu m/s) Sept. 17, 18, 1960; maximum gage height, 6.02 ft (1.835 m) Sept. 15, 1960, affected by wind; minimum daily discharge, 1.4 cfs (0.040 cu m/s) June 1, 1967; minimum gage height, 2.50 ft (0.762 m) May 31, 1967.

REMARKS.--Records good.

WATER TEMPERATURE (°C).--Oct. 19 (1050) 27.0°; Dec. 7 (1325) 22.0°; Jan. 15 (1145) 12.5°; Mar. 5 (1130) 20.0°; Apr. 23 (1105) 24.0°; June 18 (1220) 29.5°; July 24 (1140) 29.0°; Aug. 7 (1125) 28.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	11	16	22	40	38	36	26	26	17	38	50
2	18	11	15	22	41	37	36	25	25	16	40	50
3	18	11	15	22	43	37	36	25	25	16	41	50
4	17	11	15	22	41	37	40	25	25	17	40	51
5	17	11	15	22	41	37	46	24	24	21	40	53
6	16	11	16	23	40	36	44	23	24	21	40	53
7	16	11	16	23	40	36	44	22	24	23	42	53
8	14	11	15	23	40	36	46	22	23	26	42	54
9	13	11	16	23	39	39	45	27	23	30	42	57
10	13	11	16	22	45	40	45	35	23	32	41	58
11	13	11	15	24	42	39	42	35	22	32	41	57
12	13	11	16	28	40	39	41	35	22	32	42	58
13	13	11	16	28	40	38	40	35	21	34	42	60
14	12	12	16	28	39	37	39	33	21	37	41	59
15	12	13	17	27	40	36	38	33	21	37	41	59
16	11	12	18	27	41	35	37	33	21	37	40	58
17	11	11	16	27	40	37	36	32	20	36	40	57
18	11	11	16	27	39	34	35	31	20	35	39	56
19	10	11	15	27	40	32	35	31	19	36	39	55
20	10	13	16	27	40	31	33	31	19	36	39	54
21	9.9	13	16	26	40	32	32	30	19	36	40	54
22	9.4	13	21	29	39	30	31	30	19	35	41	54
23	9.4	13	23	35	38	29	30	29	20	36	42	54
24	9.4	13	22	37	37	28	30	29	20	35	42	55
25	9.4	13	22	37	37	27	29	29	20	35	43	54
26	9.4	15	23	37	40	40	29	28	20	34	46	55
27	9.1	14	22	39	39	38	31	28	19	35	46	60
28	10	14	22	40	39	37	30	27	19	37	46	60
29	12	15	22	44	------	36	27	27	18	36	45	60
30	11	16	21	42	------	36	27	26	18	37	45	59
31	11	------	22	40	------	35	------	26	------	37	46	------
TOTAL	387.0	365	552	900	1,120	1,099	1,090	892	640	964	1,292	1,667
MEAN	12.5	12.2	17.8	29.0	40.0	35.5	36.3	28.8	21.3	31.1	41.7	55.6
MAX	19	16	23	44	45	40	46	35	26	37	46	60
MIN	9.1	11	15	22	37	27	27	22	18	16	38	50
CFSM	.21	.21	.30	.49	.68	.60	.62	.49	.36	.53	.71	.94
IN.	.24	.23	.35	.57	.71	.69	.69	.56	.40	.61	.82	1.05
AC-FT	768	724	1,090	1,790	2,220	2,180	2,160	1,770	1,270	1,910	2,560	3,310

CAL YR 1972 TOTAL 8,937.0 MEAN 24.4 MAX 46 MIN 9.1 CFSM .41 IN 5.64 AC-FT 17,730
WTR YR 1973 TOTAL 10,968.0 MEAN 30.0 MAX 60 MIN 9.1 CFSM .51 IN 6.93 AC-FT 21,760

02268903 Kissimmee River at S-65, near Lake Wales, Fla.

LOCATION.--Lat 27°48'14", long 81°11'53", in NW quarter sec. 11, T.31 S., R.31 E., Osceola County, on right bank at upstreams side of lock and control sturcture 65, 0.1 mi (0.2 km) downstream from bridge on State Highway 60 and 25 mi (40 km) southeast of city of Lake Wales.

DRAINAGE AREA.--1,607 sq mi (4,162 sq km) at State Highway 60 (includes areas drained by Lake Weohyakapka and Lake Marian).

PERIOD OF RECORD.--October 1933 to current year. Prior to October 1969, published as Kissimmee River below Lake Kissimmee.

GAGE.--Dual water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Mar. 21, 1934, nonrecording gage at bridge 0.1 mi (0.2 km) upstream at datum 1.25 ft (0.381 m) lower. Mar. 21, 1934, to Sept. 30, 1950, water-stage recorder 3.2 mi (5.1 km) downstream at datum 1.52 ft (0.463 m) lower. Mar. 21 1934, to Sept. 21, 1966, nonrecoding gage at bridge 0.1 mi (0.2 km) upstream used as supplementary gage. Oct. 1, 1950 to Sept. 30, 1969, water-stage recorder 3.2 mi (5.1 km) downstream at datum 43.48 ft (13.253 m) higher. Aug. 17, 1962 to Sept. 30, 1969, auxiliary water-stage recorder 5.1 mi (8.2 km) downstream and at downstream side of lock and control structure 65 subsequent to Sept. 30, 1969.

AVERAGE DISCHARGE.--40 years, 1,114 cfs (31.5 cu m/s), 807,100 acre-ft/yr (995 cu hm/yr).

EXTREMES.--Current year: Maximum discharge 4,550 cfs (129 cu m/s) Apr. 11, 12; maximum gage height, 52.57 ft (16.023 m) Feb. 11; no flow many days; minimum gage height, 49.00 ft (14.935 m) July 1.
Period of record: Maximum discharge, 8,970 cfs (254 cu m/s) Oct. 22, 1969; maximum gage height, 13.16 ft (4.011 m) Oct. 9, 1953, from floodmark , site and datum then in use; maximum reverse flow measured, 1,190 cfs (33.7 cu m/s) Oct. 17, 1956; no flow for many days; minimum gage height, 0.34 ft (0.104 m) May 29, 30, 1962, site and datum then in use.

REMARKS.--Records good. Flow regulated by operation of control structure 65 beginning in July 1964. Gage heights are published as elevations for Lake Kissimmee (sta 02268900) in reports of Geological Survey entitled "water Resiources Date for Florida, Part 1: Surface Water Records, Volume 3: Lakes."

COOPERATION.--Gage-height and gage-operation record furnished by Central and Southern Florida Flood Control District.

REVISIONS (WATER YEARS).--WSP 1504: 1934, 1941. WSP 1905: Drainage area.

WATER TEMPERATURE (°C).--June 12 (0730) 26.0°; Aug. 9 (1445) 30.0°; Sep . 11 (0740) 28.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	183	.33	3.7	.4	1,340	1,430	867	177	1.4	.6	115
2	.18	183	3.2	1.2	.6	1,340	1,430	867	179	.64	.9	116
3	.36	183	2.9	.69	3.8	1,340	1,430	867	177	1.3	.8	115
4	0	183	2.6	1.4	4.5	1,340	1,540	867	176	2.2	3.2	569
5	.35	183	2.1	.53	1.0	1,340	2,280	867	176	.89	3.4	1,360
6	.53	183	1.5	4.2	807	1,340	3,500	860	62	.92	.8	1,860
7	2.8	83	2.0	2.6	1,220	1,340	3,910	860	.13	2.0	1.0	1,860
8	3.3	.96	2.0	.35	1,350	1,340	3,910	853	.51	1.8	.7	1,860
9	.34	.64	4.8	.18	1,350	1,340	4,060	860	2.2	.54	713	1,850
10	.34	.48	4.7	0	1,350	1,340	4,440	1,170	2.2	1.0	1,660	1,850
11	0	2.9	.64	.18	1,350	1,330	4,550	2,240	.76	.78	1,670	1,860
12	0	2.9	1.8	0	1,350	1,340	4,550	2,710	1.0	1.0	1,670	1,860
13	.86	.80	1.4	2.6	1,350	1,340	4,510	2,690	.76	.78	1,660	1,860
14	2.1	.80	1.3	1.6	1,350	1,330	4,510	2,690	.39	1.8	1,660	1,860
15	3.3	.82	.64	.70	1,350	1,330	4,480	2,690	.52	1.9	1,660	1,880
16	0	.82	.36	1.6	1,350	1,630	4,440	2,690	1.2	.67	1,650	1,880
17	78	.82	.90	1.4	1,350	1,440	2,260	2,690	1.0	.67	1,450	2,990
18	183	3.0	.17	1.8	1,350	1,440	1,420	2,670	.52	1.0	1,340	3,800
19	183	3.0	.67	2.4	1,350	1,440	1,420	2,650	.38	1.1	1,340	2,820
20	128	.82	3.0	4.6	1,350	1,440	1,420	2,650	.62	1.1	1,090	2,130
21	1.6	.84	2.4	4.6	1,350	1,440	1,420	2,230	1.2	3.0	882	1,350
22	2.5	.80	1.6	1.1	1,350	1,440	1,420	1,890	.96	2.3	888	788
23	.82	.80	2.5	0	1,350	1,430	1,420	1,890	3.0	.55	500	788
24	.84	2.9	4.0	.18	1,350	1,430	1,200	1,380	3.2	.97	334	788
25	.34	3.0	1.8	.75	1,340	1,420	874	1,040	0	1.1	338	788
26	.17	.82	1.6	1.3	1,340	1,440	867	1,050	.26	.57	339	788
27	.82	.82	3.6	2.3	1,350	2,000	874	1,050	.96	.43	671	1,620
28	1.0	.80	4.3	2.7	1,350	2,550	874	1,050	.89	2.4	895	2,710
29	1.6	.77	2.9	.38	------	1,930	867	588	.89	2.7	896	3,020
30	1.4	.80	5.1	.40	------	1,430	867	175	1.8	.55	895	3,040
31	100	------	4.4	1.2	------	1,430	------	176	------	.45	551	------
TOTAL	699.65	1,212.11	71.21	46.64	30,367.3	45,400	72,173	47,827	972.35	38.51	24,763.4	50,175
MEAN	22.6	40.4	2.30	1.50	1,085	1,465	2,406	1,543	32.4	1.24	799	1,673
MAX	183	183	5.1	4.6	1,350	2,550	4,550	2,710	179	3.0	1,670	3,800
MIN	0	.48	.17	0	.40	1,330	867	175	0	.43	.60	115
AC-FT	1,390	2,400	141	93	60,230	90,050	143,200	94,860	1,930	76	49,120	99,520

CAL YR 1972 TOTAL 64,146.10 MEAN 175 MAX 764 MIN 0 AC-FT 127,200
WTR YR 1973 TOTAL 273,746.17 MEAN 750 MAX 4,550 MIN 0 AC-FT 543,000

02268904 Kissimmee River below S-65, near Lake Wales, Fla.

LOCATION.--Lat 27°48'14", long 81°11'53", in NW quarter sec.11, T.31 S., R.31 E., Osceola County, on right bank at downstream side of lock and control structure 65, 0.1 mi (0.2 km) downstream from bridge on State Highway 60 and 25 mi (40 km) southeast of city of Lake Wales.

DRAINAGE AREA.--1,607 sq mi (4,162 sq km), at State Highway 60, includes areas drained by Lake Weohyakapka and Lake Marian.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Dual water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). This is the auxiliary gage for station 02268903 located at upstream side of lock and control structure.

EXTREMES.--Current year: Maximum daily gage height, 46.95 ft (14.310 m) Sept. 27; minimum daily, 45.94 ft (14.003 m) Aug. 1, 9.
Period of record: Maximum daily gage geight, 51.44 ft (15.679 m) Oct. 10, 1969; minimum daily, 44.35 ft (13.518 m) June 7, 8, 1971.

COOPERATION.--Gage-height record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--June 12 (0730) 26.0°; Aug. 9 (1445) 30.0°; Sept. 11 (0740) 28.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46.08	46.28	46.52	46.51	46.55	46.18	46.55	46.30	46.02	46.11	45.94	46.14
2	46.14	46.34	46.54	46.46	46.55	46.20	46.46	46.28	46.01	46.20	46.14	46.46
3	46.15	46.38	46.56	46.44	46.50	46.20	46.56	46.25	46.00	46.06	46.10	46.50
4	46.19	46.40	46.55	46.38	46.46	46.20	46.52	46.24	45.98	46.28	46.08	46.35
5	46.22	46.39	46.51	46.39	46.52	46.20	46.52	46.21	45.99	46.23	46.08	46.36
6	46.27	46.38	46.45	46.37	46.55	46.22	46.53	46.21	46.00	46.14	46.14	46.10
7	46.30	46.37	46.38	46.35	46.50	46.21	46.54	46.24	45.98	46.20	46.13	46.19
8	46.30	46.35	46.44	46.39	46.60	46.20	46.55	46.24	46.03	46.20	46.12	46.28
9	46.30	46.32	46.51	46.37	46.61	46.21	46.55	46.29	46.03	46.14	45.94	46.40
10	46.29	46.30	46.54	46.36	46.56	46.22	46.51	46.17	46.03	46.20	46.00	46.48
11	46.28	46.30	46.54	46.39	46.50	46.23	46.49	46.09	46.03	46.18	46.07	46.09
12	46.27	46.29	46.54	46.49	46.46	46.22	46.42	46.23	46.01	46.15	46.10	46.31
13	46.26	46.28	46.55	46.50	46.48	46.21	46.40	46.18	45.99	46.20	46.08	46.33
14	46.25	46.29	46.56	46.53	46.50	46.20	46.40	46.34	45.96	46.22	46.07	46.11
15	46.24	46.27	46.56	46.53	46.48	46.19	46.38	46.37	45.97	46.28	46.06	45.98
16	46.22	46.27	46.45	46.49	46.42	46.40	46.38	46.31	45.95	46.26	46.36	45.98
17	46.24	46.26	46.38	46.47	46.45	46.30	46.10	46.24	45.96	46.28	46.32	46.19
18	46.39	46.27	46.34	46.42	46.44	46.26	46.24	46.29	46.03	46.00	46.18	46.31
19	46.37	46.28	46.36	46.36	46.44	46.22	46.23	46.30	46.14	46.20	46.14	46.18
20	46.36	46.29	46.40	46.35	46.42	46.25	46.22	46.24	46.25	46.10	46.12	46.25
21	46.34	46.27	46.46	46.29	46.43	46.32	46.22	46.14	46.34	46.06	46.28	46.09
22	46.31	46.28	46.59	46.36	46.36	46.36	46.21	46.25	46.40	46.14	46.06	46.12
23	46.30	46.27	46.51	46.55	46.28	46.38	46.21	46.30	46.35	46.25	46.17	46.14
24	46.26	46.26	46.49	46.65	46.26	46.37	46.21	46.34	46.24	46.28	46.06	46.11
25	46.25	46.36	46.41	46.66	46.36	46.32	46.21	46.35	46.18	46.23	45.96	46.06
26	46.24	46.33	46.32	46.64	46.34	46.30	46.32	46.22	46.20	46.15	45.98	46.03
27	46.23	46.31	46.32	46.62	46.22	46.35	46.34	46.23	46.45	46.16	46.10	46.95
28	46.22	46.29	46.39	46.60	46.18	46.30	46.25	46.19	46.18	46.32	46.09	46.58
29	46.22	46.72	46.45	46.66	------	46.25	46.34	46.17	46.18	46.24	46.00	46.68
30	46.21	46.58	46.49	46.51	------	46.56	46.34	46.17	46.15	46.32	46.00	46.36
31	46.21	------	46.51	46.50	------	46.55	------	46.11	------	45.98	46.16	------
MEAN	46.26	46.33	46.47	46.47	46.44	46.28	46.37	46.24	46.10	46.19	46.10	46.27
MAX	46.39	46.72	46.59	46.66	46.61	46.56	46.56	46.37	46.45	46.32	46.36	46.95
MIN	46.08	46.26	46.32	46.29	46.18	46.18	46.10	46.09	45.95	45.98	45.94	45.98

CAL YR 1972 MEAN 46.33 MAX 46.74 MIN 46.06
WTR YR 1973 MEAN 46.29 MAX 46.95 MIN 45.94

02270500 Arbuckle Creek near De Soto City, Fla.

LOCATION.--Lat 27°26'32", long 81°17'51", in SE quarter sec. 11, T.35 S., R.30 E., Highlands County, on right bank 20 ft (6 m) downstream from bridge on U. S. Highway 98, 1.3 mi (2.1 km) upstream from mouth, and 7 mi (11 km) east of De Soto City.

DRAINAGE AREA.--379 sq mi (982 sq km), excludes area drained by Lake Weohyakapka and includes area drained by Lake Sebring.

PERIOD OF RECORD.--June 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 35.51 ft (10.823 m) above mean sea level. Prior to June 24, 1942, water-stage recorder, June 24, 1942, to Oct. 19, 1943, non-recording gage, Oct. 20, 1943, to Oct. 10, 1954, Oct. 1, 1961, to Sept. 30, 1962, water-stage recorder, at present site and datum. Oct. 11, 1954, to Sept. 30, 1961, Oct. 1, 1962, to May 29, 1966, water-stage recorder, at site 1.6 mi (2.6 km) upstream at same datum. Oct. 11, 1954, to Sept. 30, 1961, Oct. 1, 1962, to May 29, 1966, auxiliary water-stage recorder at present site. Oct. 1, 1961, to Sept. 30, 1962, auxiliary water-stage recorder on north shore of Lake Istokpoga, near mouth of Arbuckle Creek, and May 30 to Sept. 30, 1966, water-stage recorder for station Canal 41A at S-68 at Lake Istokpoga, near Lake Placid (sta 02273200) used as an auxiliary gage for this station. Since June 7, 1967, auxiliary water-stage recorder at site 1.3 mi (2.1 km) upstream.

AVERAGE DISCHARGE.--34 years, 355 cfs (10.05 cu m/s), 257,200 acre-ft/yr (317 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 1,340 cfs (37.9 cu m/s) Sept. 18 (gage height, 5.86 ft or 1.786 m); minimum daily discharge, 33 cfs (0.93 cu m/s) Nov. 12; minimum gage height, 2.14 ft (0.652 m) June 14.

Period of record: Maximum discharge, 7,380 cfs (209 cu m/s) Sept. 23, 1948 (gage height, 8.71 ft or 2.655 m), from rating curve extended above 5,300 cfs (1,500 cu m/s); minimum daily discharge, 1.0 cfs (0.028 cu m/s) June 3, 1971; minimum gage height, 0.14 ft (0.043 m) estimated, May 11, 1962, result of channel work upstream.

REMARKS.--Records fair. Records include small diversions into Lake Arbuckle from Lake Weohyakapka through Blue Jordan Swamp.

REVISIONS.--WSP 1274: 1939-50.

WATER TEMPERATURE (°C).--Oct. 18 (1050) 27.0°; Dec. 5 (1050) 21.5°; Jan. 17 (0900) 14.0°; Mar. 7 (0830) 23.0°; Apr. 25 (0800) 24.5°; June 20 (0845) 27.5°; Aug. 9 (0910) 27.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	43	130	112	297	131	116	280	161	142	632	825
2	53	43	130	107	297	129	126	265	157	144	717	801
3	54	40	127	101	339	126	126	255	150	172	833	857
4	58	40	118	102	321	122	127	242	140	173	883	878
5	63	38	106	101	293	119	155	224	130	177	814	912
6	72	38	99	101	280	115	171	218	120	166	758	929
7	74	36	93	100	276	113	180	212	109	174	708	954
8	72	39	89	97	276	122	287	209	123	189	705	963
9	67	36	86	104	278	779	401	225	116	203	689	988
10	68	37	81	105	319	951	495	317	121	198	642	1,180
11	67	35	80	109	300	718	544	284	117	206	601	1,310
12	66	33	79	150	279	552	573	268	109	203	571	1,280
13	63	34	77	167	263	457	570	266	100	195	543	1,180
14	61	41	75	155	248	383	557	300	94	203	557	1,090
15	58	38	74	152	240	334	538	282	95	230	617	1,020
16	57	36	75	154	226	291	506	266	98	236	627	939
17	55	36	74	138	209	267	473	255	120	254	636	1,090
18	53	35	78	133	198	230	444	241	117	292	657	1,310
19	53	37	78	124	205	207	418	230	115	356	684	1,200
20	52	45	75	118	196	188	391	217	119	337	695	1,040
21	51	43	77	107	189	171	363	203	126	321	729	960
22	51	44	107	104	181	155	345	193	127	340	791	899
23	48	38	131	146	173	140	331	186	148	424	868	851
24	47	39	147	219	168	118	312	176	151	471	894	834
25	47	48	154	210	160	109	301	173	150	464	852	804
26	47	57	156	190	154	145	291	175	155	448	862	804
27	47	54	151	209	143	146	295	171	184	424	925	810
28	49	53	139	241	135	144	301	162	158	441	945	784
29	48	107	131	373	------	131	288	152	153	454	934	760
30	47	123	122	333	------	123	281	150	147	493	904	733
31	46	------	117	307	------	121	------	150	------	576	863	------
TOTAL	1,746	1,366	3,256	4,869	6,643	7,837	10,306	6,947	3,910	9,106	23,136	28,985
MEAN	56.3	45.5	105	157	237	253	344	224	130	294	746	966
MAX	74	123	156	373	339	951	573	317	184	576	945	1,310
MIN	46	33	74	97	135	109	116	150	94	142	543	733
AC-FT	3,460	2,710	6,460	9,660	13,180	15,540	20,440	13,780	7,760	18,060	45,890	57,490

CAL YR 1972 TOTAL 50,001 MEAN 137 MAX 687 MIN 33 AC-FT 99,180
WTR YR 1973 TOTAL 108,107 MEAN 296 MAX 1,310 MIN 33 AC-FT 214,400

02271500 Josephine Creek near De Soto City, Fla.

LOCATION.--Lat 27°22'26", long 81°23'37", in SE quarter sec.2, T.36 S., R.29 E., Highlands County, on left bank 320 ft (98 m) downstream from bridge on State Highway 17, 1.0 mi (1.6 km) downstream from Jack Creek, 4 mi (6 km) south of De Soto City, and 4.9 mi (7.9 km) upstream from mouth.

DRAINAGE AREA.--109 sq mi (282 sq km), includes area drained by Lake Sebring.

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 52.99 ft (16.151 m) above mean sea level (Florida Department of Transportation bench mark). Prior to May 21, 1952, at site 0.5 mi (0.8 km) upstream at datum 0.89 ft (0.271 m) higher.

AVERAGE DISCHARGE.--27 years, 90.9 cfs (2.574 cu m/s), 11.32 in/yr (288 mm/yr), 65,860 acre-ft/yr (81.2 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 665 cfs (18.8 cu m/s) Sept. 10 (gage height, 7.23 ft or 2.204 m); minimum, 8.6 cfs (0.024 cu m/s) Nov. 2, 3 (gage height, 2.25 ft or 0.686 m).

Period of record: Maximum discharge, 1,780 cfs (50.4 cu m/s) Sept. 23, 1948 (gage height, 11.56 ft or 3.523 m), site and datum then in use; minimum, 0.30 cfs (0.008 cu m/s) May 22, 1956, affected by pumpage; minimum gage height, 1.49 ft (0.454 m) Apr. 8, 1956, affected by pumpage.

REMARKS.--Records fair except those for period of no gage-height record, which are poor. Divisions for irrigation of citrus groves above station during dry periods.

REVISIONS.--WSP 1384: Drainage area.

WATER TEMPERATURE (°C).--Oct. 18 (1730) 27.0°; Dec. 5 (0925) 20.5°; Jan. 16 (1535) 16.5°; Mar. 5 (1630) 22.5°: Apr. 23 (1615) 26.0°; June 18 (1750) 28.0°; Aug. 8 (1740) 29.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	9.0	57	31	89	34	27	12	21	31	47	78
2	19	8.8	47	29	99	33	27	12	21	27	50	81
3	20	9.1	42	28	115	32	25	11	25	25	62	92
4	30	9.4	38	26	105	31	24	11	28	27	59	90
5	34	9.4	35	24	93	31	26	9.9	29	37	54	91
6	32	9.4	34	23	98	28	24	9.5	29	38	51	88
7	31	9.4	32	21	97	27	21	9.5	28	35	50	88
8	27	9.4	30	19	93	26	34	9.9	30	34	49	83
9	24	9.4	28	18	88	50	44	11	32	35	51	251
10	21	9.1	27	16	105	89	54	17	40	35	48	628
11	19	9.3	25	19	98	98	55	20	39	37	45	578
12	19	9.1	23	26	84	96	50	19	37	44	45	384
13	19	9.1	21	33	77	92	47	17	36	47	47	193
14	18	10	20	41	76	85	44	17	35	47	46	180
15	16	13	20	45	66	80	41	17	35	44	46	188
16	16	14	26	42	57	88	39	18	35	42	46	162
17	15	12	23	40	49	97	36	17	35	39	51	146
18	15	11	20	39	44	87	33	17	36	37	49	139
19	13	11	18	38	46	81	31	18	36	37	45	125
20	13	14	17	37	47	75	29	17	36	36	45	112
21	11	18	16	33	44	49	27	15	36	34	59	105
22	11	17	17	34	41	35	26	13	37	34	59	96
23	11	16	20	57	38	29	24	13	49	35	59	97
24	11	15	23	87	37	25	23	12	49	34	58	89
25	11	14	26	85	36	23	19	11	45	34	55	85
26	11	24	29	76	38	33	16	14	44	33	54	86
27	11	28	33	81	38	36	20	21	45	33	57	90
28	11	26	35	89	36	32	20	22	42	38	62	99
29	11	49	37	115	------	29	17	15	39	40	61	100
30	10	59	35	106	------	28	14	15	36	42	60	100
31	9.4	------	33	94	------	27	------	20	------	47	69	------
TOTAL	537.4	470.9	887	1,452	1,934	1,606	917	460.8	1,065	1,138	1,639	4,724
MEAN	17.3	15.7	28.6	46.8	69.1	51.8	30.6	14.9	35.5	36.7	52.9	157
MAX	34	59	57	115	115	98	55	22	49	47	69	628
MIN	9.4	8.8	16	16	36	23	14	9.5	21	25	45	78
CFSM	.16	.14	.26	.43	.63	.48	.28	.14	.33	.34	.49	1.44
IN.	.18	.16	.30	.50	.66	.55	.31	.16	.36	.39	.56	1.61
AC-FT	1,070	934	1,760	2,880	3,840	3,190	1,820	914	2,110	2,260	3,250	9,370

CAL YR 1972	TOTAL 12,138.7	MEAN 33.2	MAX 188	MIN 5.4	CFSM .30	IN 4.14	AC-FT 24,080
WTR YR 1973	TOTAL 16,831.1	MEAN 46.1	MAX 628	MIN 8.8	CFSM .42	IN 5.74	AC-FT 33,380

NOTE.--No gage height record Dec. 17 to Jan. 16.

02273000 Kissimmee River at S-65E, near Okeechobee, Fla.

LOCATION.--Lat 27°13'32", long 80°57'46", in NE quarter sec.30, T.37 S., R.34 E., Okeechobee County, at upstream side of lock and control structure 65E, 1.8 mi (2.9 km) downstream from State Highway 70, about 8.5 mi (13.7 km) west of Okeechobee, and 8.2 mi (13.2 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1928 to September 1962, October 1962 to September 1964 (elevations only), October 1964 to current year. Prior to October 1964, published as Kissimmee River near Okeechobee. Monthly discharges only for some periods, published in WSP 1304.

GAGE.--Dual water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Apr. 28, 1949, nonrecording gage, and Apr. 28, 1949, to Sept. 30, 1964, water-stage recorder, 1.8 mi (2.9 km) upstream at datum 1.37 ft (0.418 m) lower. Auxiliary gage at downstream side of lock and control structure 65E.

AVERAGE DISCHARGE.--34 years (1928-62), 2,188 cfs (61.96 cu m/s), 1,584,000 acre-ft/yr (1.95 cu km/yr); 9 years (1964-73), 1,437 cfs (40.70 cu m/s), 1,041,000 acre-ft/yr (1.27 cu km/yr).

EXTREMES.--Current year: Maximum discharge, 9,980 cfs (283 cu m/s) Sept. 13; maximum gage height, 21.84 ft (6.657 m) June 28; no flow on many days; minimum gage height, 20.16 ft (6.145 m) Apr. 7.

Period of record: Maximum discharge, 25,800 cfs (731 cu m/s) Oct. 3 1969; maximum gage height, 27.00 ft (8.230 m), present datum, Oct. 14 1953; no flow on many days in some years after 1965; minimum gage height observed, 12.33 ft (3.758 m), present datum, June 3, 1962.

Flood in August 1928, resulting from hurricane, reached a stage of 28.9 ft (8.81 m), present datum, discharge, 20,000 cfs (566 cu m/s), from rating curve extended above 14,000 cfs (396 cu m/s).

REMARKS.--Records good. Flow completely regulated by operation of structure 65E beginning in October 1964. Records do not include diversions, since July 21, 1962, from Lake Istokpoga through control structure 68 on Canal 41A. Discharge computed on basis of head and gate-opening discharge relation. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height and gate-operation record furnished Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	0	870	2.6	1,400	1,750	1,810	980	0	785	2,300	2,330
2	.28	0	115	58	1,080	1,750	2,440	1,050	0	1,560	2,980	1,650
3	122	.91	415	251	1,620	1,750	2,580	1,160	0	1,450	2,550	2,440
4	427	3.1	565	167	1,020	1,720	2,760	1,000	0	1,200	3,500	3,520
5	213	2.5	460	42	1,100	1,680	4,940	1,000	0	1,240	2,580	3,550
6	88	.30	145	5.2	1,960	1,680	5,880	1,000	0	915	2,000	4,510
7	3.4	1.5	1.9	3.9	2,000	1,680	6,100	1,000	330	915	1,680	5,530
8	2.2	.94	.96	2.3	2,190	1,680	6,740	1,090	165	1,260	1,700	5,280
9	0	1.3	250	81	2,380	1,680	6,840	1,040	440	635	2,420	5,040
10	.84	1.6	125	126	2,920	1,760	6,470	2,840	1,040	550	2,980	5,470
11	0	.63	.95	125	2,080	2,120	6,990	4,250	415	1,060	3,180	5,710
12	0	.94	.64	835	2,080	2,120	6,470	5,000	0	1,660	3,940	6,890
13	.57	.63	1.6	378	2,250	2,120	6,250	3,500	0	650	3,260	7,060
14	2.6	.32	175	1.6	2,250	2,210	6,090	3,290	0	1,250	3,430	5,890
15	2.9	71	220	487	2,310	1,990	5,870	3,620	0	1,610	3,040	4,590
16	165	127	90	293	2,120	1,410	5,770	3,710	0	1,480	3,590	4,610
17	83	127	.69	618	1,790	1,670	3,480	3,750	0	1,600	3,960	5,900
18	0	128	.65	378	1,900	1,750	1,420	3,340	665	1,160	3,780	5,790
19	2.0	41	.66	128	2,160	1,720	1,640	3,120	665	1,100	3,150	4,750
20	.59	.32	2.3	131	2,340	1,620	1,840	3,210	665	1,190	2,420	3,920
21	.32	0	1.6	130	2,080	1,620	1,580	3,250	915	965	3,010	2,850
22	1.7	30	765	43	2,000	1,620	1,600	3,250	1,000	1,300	2,540	2,000
23	2.0	128	845	1,140	2,000	1,620	1,620	2,080	580	1,350	1,960	1,810
24	.58	128	1.6	1,620	2,000	1,430	1,560	1,620	455	1,580	2,270	1,840
25	0	130	.64	1,540	1,710	1,940	1,220	1,420	1,000	2,380	1,950	2,310
26	0	126	190	1,380	1,600	2,260	945	1,620	830	1,610	2,260	2,010
27	.59	126	560	1,860	1,900	3,000	1,250	1,500	1,460	1,510	2,180	3,210
28	1.8	127	1.6	1,050	1,750	3,810	1,260	1,210	3,960	2,040	2,670	5,430
29	2.7	1,020	3.9	1,620	------	2,940	965	1,210	2,160	1,510	2,320	5,290
30	.91	940	2.9	1,730	------	1,940	1,360	500	750	1,350	1,840	5,330
31	.90	------	6.2	1,850	------	1,830	------	40	------	1,750	1,580	------
TOTAL	1,127.08	3,263.99	5,818.79	18,076.6	53,990	59,870	105,740	66,650	17,495	40,615	83,020	126,510
MEAN	36.4	109	188	583	1,928	1,931	3,525	2,150	583	1,310	2,678	4,217
MAX	427	1,020	870	1,860	2,920	3,810	6,990	5,000	3,960	2,380	3,960	7,060
MIN	0	0	.64	1.6	1,020	1,410	945	40	0	550	1,580	1,650
AC-FT	2,240	6,470	11,540	35,850	107,100	118,800	209,700	132,200	34,700	80,560	164,700	250,900

CAL YR 1972 TOTAL 189,482.70 MEAN 518 MAX 10,500 MIN 0 AC-FT 375,800
WTR YR 1973 TOTAL 582,176.46 MEAN 1,595 MAX 7,060 MIN 0 AC-FT 1,155,000

02273000 Kissimmee River at S-65E, near Okeechobee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.03	20.92	20.87	21.25	20.96	21.10	21.00	20.65	20.91	21.14	21.25	21.15
2	21.04	20.91	20.94	21.28	21.02	21.11	21.23	20.96	20.92	21.22	21.20	21.25
3	21.05	20.93	20.93	21.17	21.09	21.11	20.97	20.93	20.98	21.20	21.16	21.25
4	20.97	20.94	20.95	21.07	20.90	20.98	21.02	20.97	21.10	21.20	21.22	21.10
5	20.88	20.95	21.02	21.05	21.02	20.99	21.24	21.00	21.20	21.12	21.12	21.05
6	20.88	20.96	21.02	21.14	20.92	21.02	21.13	21.01	21.28	21.01	21.14	21.17
7	20.85	21.01	21.10	21.20	21.03	21.04	20.76	21.06	21.25	21.24	21.15	21.18
8	20.85	21.12	21.25	21.25	21.07	21.04	21.04	21.10	21.18	21.15	21.10	21.15
9	20.86	21.15	21.25	21.26	21.02	21.05	21.06	21.02	21.30	21.04	21.21	21.06
10	20.86	21.16	21.04	21.25	20.96	21.05	21.06	21.06	21.26	21.18	21.24	21.15
11	20.87	21.17	21.12	21.31	20.86	21.07	21.10	21.10	21.10	21.12	21.25	21.20
12	20.88	21.18	21.20	21.30	21.20	21.11	21.00	21.14	21.17	21.08	21.22	21.25
13	20.88	21.20	21.26	20.94	21.16	21.12	21.00	20.82	21.22	21.08	21.16	21.14
14	20.88	21.28	21.25	21.02	21.15	21.10	21.07	21.00	21.17	21.14	21.00	21.06
15	20.98	21.37	21.05	21.14	21.14	21.01	21.03	21.10	21.14	21.17	21.20	21.15
16	21.06	21.36	20.96	21.03	20.94	20.98	21.02	21.13	21.12	21.10	21.15	21.32
17	20.88	21.27	21.04	21.08	20.92	21.00	21.03	21.06	21.25	21.00	21.14	21.22
18	20.85	21.16	21.13	21.17	21.21	20.96	21.04	21.02	21.17	21.08	21.20	21.12
19	20.85	21.11	21.20	21.08	21.20	21.06	21.09	21.11	21.20	21.10	21.13	21.11
20	20.86	21.24	21.25	21.03	21.15	21.05	21.11	21.13	21.18	21.05	21.08	21.04
21	20.86	21.32	21.26	21.01	21.10	21.06	20.96	20.99	21.16	21.02	21.07	21.12
22	20.85	21.38	21.25	21.02	21.10	21.04	21.04	20.88	21.17	21.06	21.12	21.20
23	20.84	21.36	21.02	21.17	21.10	21.02	21.06	21.10	21.14	21.10	21.21	20.99
24	20.84	21.30	20.88	21.09	21.10	21.14	21.06	21.13	21.15	21.11	21.25	21.06
25	20.85	21.22	20.98	21.05	21.10	21.20	21.02	20.86	21.24	21.10	21.15	21.16
26	20.86	21.26	21.15	21.09	21.16	21.33	21.10	21.10	21.20	21.11	21.21	21.05
27	20.87	21.26	21.15	20.87	21.10	21.36	21.12	21.05	21.22	21.16	21.02	21.12
28	20.89	21.25	21.06	20.89	21.07	21.10	20.93	21.11	21.35	21.13	21.18	21.26
29	20.90	21.15	21.14	20.93	------	21.06	21.06	21.00	21.22	21.17	21.15	21.17
30	20.91	20.90	21.17	21.13	------	20.98	21.00	20.87	21.20	21.15	21.21	21.11
31	20.91	------	21.22	21.01	------	21.10	------	20.90	------	21.13	21.20	------
MEAN	20.90	21.16	21.10	21.11	21.06	21.08	21.05	21.01	21.17	21.12	21.16	21.15
MAX	21.06	21.38	21.26	21.31	21.21	21.36	21.24	21.14	21.35	21.24	21.25	21.32
MIN	20.84	20.90	20.87	20.87	20.86	20.96	20.76	20.65	20.91	21.00	21.00	20.99

CAL YR 1972 MEAN 20.99 MAX 21.38 MIN 20.81
WTR YR 1973 MEAN 21.09 MAX 21.38 MIN 20.65

02273001 Kissimmee River below S-65E, near Okeechobee, Fla.

LOCATION.--Lat 27°13'32", long 80°57'46", in NE quarter sec.30, T.37 S., R.34 E., Okeechobee County, at downstream side of lock and control structure 65E, 1.8 mi (2.9 km) downstream from State Highway 70, about 8.5 mi (13.7 km) west of Okeechobee, and 8.2 mi (13.2 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Dual water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). This is the auxilary gage for station 02273000 at upstream side of lock and control structure.

EXTREMES.--Current year: Maximum daily gage height, 14.90 ft (4.542 m) Sept. 29; minimum daily, 11.77 ft (3.587 m) Dec. 16.
Period of record: Maximum daily gage height, 16.80 ft (5.121 m) Apr. 1, 2, 1970; minimum daily, 10.31 ft (3.142 m) June 2, 1971.

COOPERATION.--Gage-height record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Oct. 30 (1250) 27.0°; Nov. 28 (1315) 21.5°; Dec. 27 (1245) 18.5°; Jan. 25 (1330) 18.0°; Feb. 27 (1645) 16.5°; Mar. 28 (1315) 22.5°; Apr. 25 (1205) 23.5°; May 30 (1200) 29.5°; June 28 (1235) 29.5°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.50	12.79	12.40	12.48	12.65	12.74	13.05	12.60	12.32	12.30	13.12	14.02
2	13.56	12.80	12.60	12.47	12.60	12.76	12.88	12.60	12.30	12.28	13.15	13.95
3	13.50	12.82	12.60	12.51	12.40	12.77	13.03	12.62	12.26	12.20	13.16	13.99
4	13.44	12.77	12.65	12.50	12.45	12.78	13.12	12.50	12.28	12.28	13.20	14.05
5	13.40	12.75	12.68	12.50	12.60	12.76	12.77	12.40	12.25	12.30	13.20	14.10
6	13.36	12.75	12.66	12.47	12.60	12.80	12.86	12.45	12.20	12.30	13.20	14.10
7	13.25	12.80	12.65	12.42	12.58	12.75	13.18	12.50	12.00	12.25	13.20	14.14
8	13.32	12.69	12.66	12.47	12.64	12.78	13.02	12.55	12.40	12.30	13.25	14.14
9	13.35	12.64	12.65	12.19	12.85	12.80	12.92	12.50	12.38	12.30	13.30	14.12
10	13.35	12.75	12.62	12.23	12.30	12.85	12.83	12.50	12.35	12.30	13.40	14.11
11	13.30	12.75	12.62	12.27	12.15	12.90	12.78	12.45	12.35	12.36	13.38	14.15
12	13.20	12.73	12.62	11.97	12.50	12.85	12.93	12.55	12.30	12.45	13.40	14.26
13	13.20	12.75	12.60	12.15	12.75	12.90	12.90	12.60	12.30	12.48	13.42	14.35
14	13.20	12.81	12.62	12.33	12.80	12.95	12.99	12.55	12.25	12.50	13.44	14.38
15	13.20	12.61	12.62	12.38	12.70	13.05	13.00	12.50	12.15	12.55	13.45	14.40
16	13.20	12.57	11.77	12.39	12.55	12.95	13.03	12.40	12.15	12.55	13.50	14.45
17	13.20	12.48	11.79	12.47	12.40	12.70	13.03	12.40	12.15	12.58	13.52	14.53
18	13.20	12.61	12.42	12.45	12.60	12.55	13.01	12.45	12.15	12.58	13.54	14.58
19	13.18	12.74	12.44	12.45	12.70	12.65	12.92	12.48	12.15	12.60	13.55	14.67
20	13.00	12.64	12.48	12.42	12.60	12.75	12.90	12.45	12.18	12.60	13.58	14.68
21	13.05	12.54	12.75	12.55	12.60	12.76	12.90	12.45	12.25	12.62	13.60	14.62
22	13.10	12.50	12.74	12.51	12.65	12.55	12.89	12.40	12.30	12.70	13.60	14.58
23	13.05	12.41	12.50	12.46	12.70	12.56	12.88	12.40	12.30	12.75	13.65	14.61
24	13.04	12.50	12.50	12.46	12.75	12.70	12.87	12.45	12.30	12.78	13.75	14.75
25	13.00	12.73	12.45	12.43	12.80	13.00	12.92	12.45	12.30	12.80	13.80	14.78
26	13.02	12.65	12.40	12.62	12.80	12.85	12.78	12.40	12.33	12.85	13.80	14.77
27	13.05	12.67	12.25	12.60	12.75	12.75	12.42	12.48	12.35	12.88	13.80	14.83
28	13.00	12.70	12.45	12.60	12.75	12.95	12.52	12.50	12.40	12.90	13.75	14.80
29	12.90	12.70	12.45	12.29	------	13.00	12.53	12.40	12.38	13.00	13.80	14.90
30	12.84	12.72	12.50	12.42	------	12.95	12.60	12.40	12.30	13.05	13.90	14.89
31	12.85	------	12.50	12.60	------	13.00	------	12.35	------	13.10	14.00	------
MEAN	13.19	12.68	12.50	12.42	12.62	12.81	12.88	12.48	12.27	12.56	13.50	14.42
MAX	13.56	12.82	12.75	12.62	12.85	13.05	13.18	12.62	12.40	13.10	14.00	14.90
MIN	12.84	12.41	11.77	11.97	12.15	12.55	12.42	12.35	12.00	12.20	13.12	13.95

CAL YR 1972 MEAN 13.27 MAX 14.20 MIN 11.77
WTR YR 1973 MEAN 12.86 MAX 14.90 MIN 11.77

02273200 Canal 41A at S-68 at Lake Istokpoga, near Lake Placid, Fla.

LOCATION.--Lat 27°19'55", long 81°15'05", in sec.19 or 20, T.36 S., R.31 E., Highlands County, 33 ft (10 m) from right bank, 350 ft (107 m) upstream from control structure 68 at Lake Istokpoga, and 7.5 mi (12.1 km) northeast of town of Lake Placid.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1963 to current year. Prior to October 1968, published as "above S-68".

GAGE.--Water-stage recorder. Datum of gage is 30.00 ft (9.144 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--9 years (1964-73), 309 cfs (8.750 cu m/s), 223,900 acre-ft/yr (276 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 2,700 cfs (76.5 cu m/s) Sept. 17, 18; maximum gage height, 10.20 ft (3.109 m) Mar. 8, affected by wind; no flow for many days; minimum gage height, 7.34 ft (2.237 m) May 30, affected by wind.
Period of record: Maximum discharge, 4,500 cfs (127 cu m/s) Sept. 6, 1965; maximum gage height, 10.23 ft (3.118 m) Dec. 10, 1969, affected by wind; no flow for many days each year; minimum gage height, 5.82 ft (1.774 m) June 17, 1971, affected by wind.

REMARKS.--Records good. Flow completely regulated by operation of control structure 68. Gage heights are published as elevations for Lake Istokpoga (sta 02271700) in reports of Geological Survey entitled, "Water Resources Data for Florida, Part 1: Surface Water Records, Volume 3: Lakes."

WATER TEMPERATURE (°C).--Dec. 4 (1630) 21.0°; Jan. 16 (1300) 14.5°; Mar. 6 (0910) 22.0°; Apr. 24 (1330) 25.5°; June 19 (1315) 30.0°; Aug. 8 (1630) 31.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	120	0	0	0	0	225	450	163	150	900	960
2	60	120	0	19	0	57	225	450	90	150	900	960
3	60	120	0	10	0	120	225	450	90	150	900	960
4	60	120	0	0	0	120	225	450	90	150	900	960
5	60	120	24	63	0	94	225	450	90	111	900	960
6	60	120	19	150	0	60	225	450	90	90	900	960
7	60	120	30	150	0	60	225	450	31	90	900	960
8	60	140	30	53	0	197	225	303	0	90	900	960
9	60	150	30	0	17	594	347	225	0	90	705	1,140
10	60	150	30	61	0	1,180	622	314	0	90	600	1,500
11	99	150	50	82	0	1,350	900	450	99	90	600	1,500
12	107	150	60	21	0	1,740	900	450	150	31	600	1,500
13	90	150	60	0	0	2,250	458	450	150	0	600	1,440
14	90	53	60	0	0	2,250	225	450	51	0	474	1,700
15	90	0	60	0	0	1,390	225	450	0	0	388	1,800
16	90	0	60	39	0	459	225	450	0	0	326	1,800
17	90	0	60	60	0	675	459	450	0	0	396	2,240
18	90	0	60	60	0	675	585	450	0	0	450	1,980
19	114	0	60	60	0	675	585	450	0	0	450	1,530
20	40	0	60	60	0	675	642	450	0	99	450	1,530
21	40	0	80	60	0	675	675	450	0	150	450	1,530
22	40	0	71	60	0	675	675	352	0	150	450	1,530
23	109	0	60	21	0	675	675	203	0	248	498	1,530
24	90	0	60	0	0	675	675	150	0	496	574	1,530
25	90	0	60	0	0	675	675	150	0	799	600	994
26	90	0	60	0	0	675	572	150	0	900	600	168
27	109	0	59	0	0	675	450	150	15	900	837	37
28	120	0	49	0	0	675	450	150	150	900	886	900
29	120	0	38	94	------	433	450	51	150	900	941	900
30	120	0	0	114	------	225	450	144	150	702	960	900
31	120	------	0	32	------	225	------	300	------	301	960	------
TOTAL	2,548	1,783	1,290	1,269	17	20,904	13,720	10,742	1,559	7,827	20,995	37,359
MEAN	82.2	59.4	41.6	40.9	.61	674	457	347	52.0	252	677	1,245
MAX	120	150	80	150	17	2,250	900	450	163	900	960	2,240
MIN	40	0	0	0	0	0	225	51	0	0	326	37
AC-FT	5,050	3,540	2,560	2,520	34	41,460	27,210	21,310	3,090	15,520	41,640	74,100

CAL YR 1972 TOTAL 66,462.00 MEAN 182 MAX 1,800 MIN 0 AC-FT 131,800
WTR YR 1973 TOTAL 120,013.00 MEAN 329 MAX 2,250 MIN 0 AC-FT 238,000

02273300 Canal 41A at S-84, near Okeechobee, Fla.

LOCATION.--Lat 27°12'55", long 80°58'55", in SW quarter sec.36, T.37 S., R.33 E., Highlands County, 40 ft (12 m) from left bank, 500 ft (150 m) upstream from control structure 84, and 9.5 mi (15.3 km) west of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1963 to current year. Prior to October 1968, published as "above S-84".

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is 10.00 ft (3.048 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--9 years (1964-73), 228 cfs (6.457 cu m/s), 165,200 acre-ft/yr (204 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 2,300 cfs (65.1 cu m/s) Sept. 17; maximum gage height, 15.74 ft (4.798 m) Mar. 22; no flow for many days; minimum gage height, 12.64 ft (3.853 m) Jan. 24.
Period of record: Maximum discharge, 4,520 cfs (128 cu m/s) Aug. 5, 1965; maximum gage height, 17.25 ft (5.258 m) June 20, 1969; no flow for many days each year; minimum gage height, 6.78 ft (2.067 m) Oct. 16, 1971.

REMARKS.--Records poor. Flow completely regulated by operation of control structure 84. Discharge computed from continuous velocity record obtained from recording deflection meter and from gate-opening-discharge relation.

COOPERATION.--Gate-operation record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Oct. 2 (1500) 30.0°; Dec. 1 (1440) 22.0°; Apr. 2 (1525) 24.0°; Aug. 1 (1520) 28.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	333	0	88	337	0	172	1,210	1,260
2				0	0	0	406	206	0	336	1,370	1,230
3				0	0	0	197	242	0	220	1,410	1,140
4				0	0	0	131	172	0	173	1,290	1,170
5				0	0	172	100	184	0	179	1,320	986
6				0	0	0	231	396	0	151	1,170	1,340
7				0	3.0	0	193	238	0	0	1,210	1,200
8				0	6.6	0	158	74	0	0	1,110	1,120
9				0	4.7	720	337	0	0	145	893	1,320
10				0	10	1,120	813	221	0	0	767	1,960
11				0	6.1	1,260	1,060	336	0	231	867	1,930
12				0	6.6	1,570	980	339	0	0	721	2,010
13				0	72	1,800	530	573	0	0	692	1,830
14				0	104	1,510	216	334	0	187	514	2,190
15				0	218	1,220	204	200	0	0	352	2,130
16				0	0	252	269	145	0	0	459	2,030
17				0	0	827	542	397	0	0	524	2,300
18				0	0	865	578	465	0	219	677	2,080
19				0	0	1,090	537	610	0	0	585	1,610
20				0	0	911	677	514	0	188	453	1,640
21				0	0	768	547	377	0	422	835	1,710
22				0	0	584	484	0	196	502	469	1,880
23				130	93	564	443	0	0	665	584	1,790
24				42	0	583	487	0	0	833	953	1,680
25				0	0	642	488	0	0	853	753	1,340
26				0	0	873	460	0	83	1,280	827	655
27				0	0	887	184	0	181	1,420	1,080	541
28				0	0	881	331	0	233	1,380	962	1,720
29				2.2	------	476	377	0	207	1,370	1,060	1,430
30				0	------	305	114	140	202	1,050	1,160	1,200
31		------		0	------	142	------	0	------	873	889	------
TOTAL	0	0	0	174.2	857.0	20,022	12,162	6,500	1,102	12,849	27,166	46,422
MEAN	0	0	0	5.62	30.6	646	405	210	36.7	414	876	1,547
MAX	0	0	0	130	333	1,800	1,060	610	233	1,420	1,410	2,300
MIN	0	0	0	0	0	0	88	0	0	0	352	541
AC-FT	0	0	0	346	1,700	39,710	24,120	12,890	2,190	25,490	53,880	92,080

CAL YR 1972 TOTAL 42,341.00 MEAN 116 MAX 1,600 MIN 0 AC-FT 83,980
WTR YR 1973 TOTAL 127,254.20 MEAN 349 MAX 2,300 MIN 0 AC-FT 252,400

02273300 Canal 41A at S-84, near Okeechobee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.45	13.94	13.45	13.88	14.55	14.31	14.33	14.63	14.09	14.48	14.51	14.45
2	14.50	13.91	13.39	13.86	14.50	14.32	14.55	14.42	14.12	14.35	14.48	14.50
3	14.48	13.90	13.38	13.79	14.60	14.37	14.38	14.48	14.11	14.37	14.49	14.50
4	14.45	13.88	13.45	13.73	14.58	14.62	14.64	14.55	14.12	14.36	14.45	14.62
5	14.42	13.86	13.73	13.65	14.57	13.88	14.34	14.46	14.13	14.43	14.51	14.49
6	14.39	13.84	13.76	13.89	14.69	14.21	14.63	14.48	14.13	14.46	14.43	14.47
7	14.37	13.81	13.75	14.14	15.07	14.27	14.60	14.62	14.16	14.18	14.46	14.47
8	14.31	13.80	13.72	14.46	15.14	14.26	14.36	14.40	14.22	14.28	14.41	14.46
9	14.27	13.77	13.70	14.42	15.10	14.34	14.50	14.55	14.34	14.47	14.48	14.50
10	14.22	13.71	13.69	14.39	15.22	14.53	14.57	14.55	14.36	14.59	14.42	14.49
11	14.17	13.68	13.67	14.44	15.13	14.47	14.61	14.49	14.38	14.40	14.44	14.40
12	14.25	13.61	13.65	14.47	15.14	14.49	14.55	14.51	14.38	14.24	14.44	14.53
13	14.35	13.55	13.64	14.44	15.29	14.35	14.48	14.48	14.40	14.68	14.52	14.50
14	14.30	13.57	13.62	14.41	15.33	14.75	14.54	14.57	14.44	14.52	14.30	14.54
15	14.27	13.59	13.62	14.41	14.79	14.53	14.48	14.43	14.53	14.10	14.44	14.48
16	14.24	13.58	13.64	14.40	14.15	14.37	14.53	14.57	14.55	14.57	14.51	14.50
17	14.19	13.53	13.58	14.36	14.20	14.45	14.54	14.43	14.58	14.87	14.39	14.53
18	14.15	13.48	13.53	14.34	14.54	14.57	14.54	14.55	14.62	14.74	14.52	14.50
19	14.11	13.44	13.50	14.33	14.58	14.54	14.58	14.49	14.68	14.11	14.49	14.52
20	14.09	13.49	13.48	14.30	14.62	14.48	14.48	14.58	14.78	14.50	14.45	14.46
21	14.04	13.48	13.44	14.26	14.62	14.36	14.54	14.11	14.88	14.61	14.39	14.55
22	14.15	13.48	13.58	14.25	14.63	14.59	14.51	14.00	14.77	14.53	14.43	14.52
23	14.28	13.46	13.58	14.00	14.35	14.42	14.52	14.70	14.28	14.52	14.49	14.51
24	14.24	13.42	13.56	12.94	14.26	14.53	14.47	14.70	14.39	14.52	14.52	14.54
25	14.20	13.42	13.57	12.71	14.26	14.44	14.44	14.68	14.54	14.54	14.47	14.55
26	14.15	13.49	13.55	12.93	14.29	14.40	14.49	14.65	14.67	14.53	14.42	14.41
27	14.12	13.45	13.53	13.86	14.30	14.59	14.48	14.65	14.51	14.57	14.50	14.60
28	14.12	13.44	13.58	14.60	14.31	14.51	14.57	14.67	14.45	14.58	14.51	14.53
29	14.11	13.45	13.90	15.06	------	14.40	14.41	14.77	14.37	14.44	14.52	14.51
30	14.07	13.45	13.90	15.01	------	14.39	14.50	14.62	14.57	14.47	14.46	14.51
31	14.02	------	13.89	14.99	------	14.45	------	14.05	------	14.40	14.44	------
MEAN	14.24	13.62	13.61	14.15	14.67	14.43	14.51	14.51	14.42	14.46	14.46	14.50
MAX	14.50	13.94	13.90	15.06	15.33	14.75	14.64	14.77	14.88	14.87	14.52	14.62
MIN	14.02	13.42	13.38	12.71	14.15	13.88	14.33	14.00	14.09	14.10	14.30	14.40

CAL YR 1972 MEAN 14.18 MAX 15.04 MIN 13.36
WTR YR 1973 MEAN 14.30 MAX 15.33 MIN 12.71

02274000 Taylor Creek near Basinger, Fla.

LOCATION.--Lat 27°23'39", long 80°53'44", in SE quarter sec.26, T.35 S., R.34 E., Okeechobee County, near center of channel on downstream side of bridge on State Highway 68, 800 ft (240 m) upstream from control structure 3, 0.8 mi (1.3 km) downstream from small tributary, 8.5 mi (13.7 km) east of Basinger, and 17 mi (27 km) upstream from mouth.

DRAINAGE AREA.--15.7 sq mi (40.7 sq km).

PERIOD OF RECORD.--June 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.00 ft (7.620 m) above mean sea level. Apr. 14, 1960, to Sept. 30, 1962, at site about 500 ft (150 m) downstream, and Oct. 1, 1962, to Sept. 30, 1966, at present site, at datum 4.10 ft (1.250 m) higher.

AVERAGE DISCHARGE.--18 years, 15.0 cfs (0.425 cu m/s), 10,870 acre-ft/yr (13.4 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 612 cfs (17.3 cu m/s) July 15 (gage height, 8.93 ft or 2.722 m); no flow for part of Dec. 8, Feb. 20, 21, May 11; minimum gage height, 3.02 ft (0.920 m) June 8.
Period of record: Maximum discharge, 2,540 cfs (71.9 cu m/s) Oct. 15, 1956 (gage height, 7.88 ft or 2.402 m), datum then in use, from rating curve extended above 1,100 cfs (31.2 cu m/s); no flow at times in most years; minimum gage height, -1.35 ft (-0.411 m), Feb. 11, 1965, datum then in use.

REMARKS.--Records fair. Some diversion during low flow for irrigation. Flow regulated at station by operation of control structure 3 beginning in February 1965. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	.96	3.2	1.8	5.6	4.1	5.9	2.2	2.6	9.7	104	24
2	2.2	1.0	2.8	1.8	5.1	4.1	5.6	2.4	2.4	10	104	22
3	2.0	1.0	2.0	2.0	8.5	3.8	5.1	2.2	2.1	10	78	62
4	5.9	1.6	2.2	1.8	6.2	4.1	4.8	1.8	1.8	9.2	65	111
5	4.1	1.4	2.6	1.8	5.4	4.1	3.8	1.8	1.7	8.1	56	179
6	3.4	1.0	3.2	1.6	4.6	3.8	3.4	1.6	1.7	7.2	47	90
7	3.2	2.4	3.0	1.8	4.6	3.4	3.8	.96	1.4	37	40	52
8	2.8	3.4	6.8	1.8	4.8	4.1	7.5	.88	.50	39	34	31
9	2.4	2.2	1.0	1.6	5.1	8.2	8.2	9.3	.55	41	26	21
10	2.2	1.8	2.0	4.3	32	39	7.0	17	.75	38	21	14
11	2.2	1.6	1.4	8.2	20	43	5.6	5.9	.80	90	35	11
12	2.0	.88	1.6	14	14	31	4.8	5.1	1.0	42	188	20
13	1.6	2.6	1.4	10	11	24	3.8	3.6	1.2	40	89	32
14	1.8	3.0	2.2	7.0	8.5	17	3.4	3.2	1.6	109	60	25
15	2.0	3.8	2.4	5.1	7.9	12	2.8	3.0	2.4	322	45	16
16	2.0	3.0	2.4	4.3	6.2	9.3	2.6	3.2	2.1	113	49	12
17	2.2	2.6	1.0	4.3	5.1	8.2	2.6	2.6	2.1	69	47	24
18	2.0	2.2	1.6	4.3	5.1	5.4	2.8	2.2	2.0	44	36	54
19	1.8	2.8	2.0	4.3	6.6	4.6	2.6	1.8	2.2	66	26	41
20	3.2	5.9	1.8	4.1	9.6	3.8	2.4	.96	5.2	216	48	30
21	1.6	7.0	1.2	4.1	3.5	4.1	2.2	.61	12	137	63	24
22	.88	5.6	4.8	4.1	4.6	4.1	2.0	1.0	20	99	33	17
23	.80	4.8	3.6	5.4	4.3	3.8	1.8	1.2	21	88	29	14
24	1.6	4.1	2.8	7.0	4.3	3.4	2.0	.56	20	64	26	13
25	1.4	4.1	2.4	6.2	4.1	3.6	2.0	5.9	20	50	22	12
26	.88	6.6	2.0	5.6	4.1	36	2.0	4.3	19	42	23	9.5
27	.96	5.1	1.8	6.2	4.1	26	2.4	3.0	16	74	20	13
28	1.4	4.3	1.8	7.2	4.1	18	1.6	2.5	14	308	16	26
29	.80	4.1	2.6	10	------	13	2.8	2.5	19	153	12	25
30	.88	3.8	2.0	7.0	------	9.7	2.4	3.8	13	99	11	20
31	.80	------	1.4	5.9	------	7.5	------	3.2	------	79	15	------
TOTAL	63.80	94.64	73.0	154.6	209.0	366.2	109.7	100.27	210.10	2,513.2	1,468	1,044.5
MEAN	2.06	3.15	2.35	4.99	7.46	11.8	3.66	3.23	7.00	81.1	47.4	34.8
MAX	5.9	7.0	6.8	14	32	43	8.2	17	21	322	188	179
MIN	.80	.88	1.0	1.6	3.5	3.4	1.6	.56	.50	7.2	11	9.5
AC-FT	127	188	145	307	415	726	218	199	417	4,980	2,910	2,070

CAL YR 1972 TOTAL 2,751.21 MEAN 7.52 MAX 386 MIN 0 AC-FT 5,460
WTR YR 1973 TOTAL 6,407.01 MEAN 17.6 MAX 322 MIN .50 AC-FT 12,710

02274000 Taylor Creek near Basinger, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.07	5.99	6.11	6.04	6.19	6.13	6.20	6.04	3.27	3.58	5.29	3.74
2	6.05	6.00	6.09	6.04	6.17	6.13	6.19	6.05	3.25	3.59	5.29	3.70
3	6.04	6.00	6.05	6.05	6.28	6.12	6.17	6.04	3.23	3.59	4.86	4.40
4	6.21	6.03	6.06	6.04	6.21	6.13	6.16	6.02	3.21	3.56	4.62	5.06
5	6.14	6.02	6.08	6.04	6.18	6.13	6.12	6.02	3.20	3.52	4.46	6.19
6	6.11	6.00	6.11	6.03	6.15	6.12	6.10	6.01	3.20	3.49	4.31	5.08
7	6.10	6.07	6.10	6.04	6.15	6.10	6.12	5.97	3.17	4.19	4.19	4.45
8	6.08	6.12	5.55	6.04	6.16	6.13	6.25	5.96	3.04	4.22	4.07	4.08
9	6.06	6.06	6.00	6.03	6.17	6.27	6.27	5.82	3.05	4.26	3.94	3.88
10	6.05	6.04	6.05	6.16	6.80	6.94	6.23	3.81	3.09	4.20	3.82	3.73
11	6.05	6.03	6.02	6.29	6.55	7.02	6.19	4.90	3.10	5.09	4.09	3.62
12	6.04	5.98	6.03	6.46	6.42	6.78	6.16	6.17	3.12	4.28	6.22	3.86
13	6.02	6.08	6.02	6.33	6.34	6.63	6.12	6.11	3.15	4.24	5.00	4.10
14	6.03	6.10	6.06	6.23	6.28	6.50	6.10	6.09	3.19	5.39	4.52	3.97
15	6.04	6.14	6.07	6.17	6.26	6.38	6.07	6.08	3.25	7.33	4.25	3.77
16	6.04	6.10	6.07	6.14	6.21	6.30	6.06	6.09	3.23	5.44	4.31	3.64
17	6.05	6.08	6.00	6.14	6.17	6.27	6.06	6.06	3.23	4.73	4.27	3.95
18	6.04	6.06	6.03	6.14	6.17	6.18	6.07	6.04	3.22	4.32	4.07	4.48
19	6.03	6.09	6.05	6.14	6.22	6.15	6.06	6.02	3.24	4.68	3.87	4.27
20	6.11	6.22	6.04	6.13	4.76	6.12	6.05	5.97	3.41	6.52	4.26	4.06
21	6.03	6.25	6.01	6.13	6.05	6.13	6.04	5.92	3.65	5.76	4.50	3.94
22	5.98	6.21	6.18	6.13	6.15	6.13	6.03	5.98	3.86	5.23	3.97	3.80
23	5.97	6.18	6.13	6.18	6.14	6.12	6.02	5.99	3.88	5.03	3.89	3.73
24	6.03	6.15	6.09	6.23	6.14	6.10	6.03	5.91	3.86	4.65	3.83	3.70
25	6.02	6.15	6.07	6.21	6.13	6.11	6.03	5.18	3.86	4.41	3.73	3.64
26	5.98	6.24	6.05	6.19	6.13	6.89	6.03	3.37	3.84	4.29	3.74	3.57
27	5.99	6.19	6.04	6.21	6.13	6.68	6.05	3.30	3.76	4.81	3.67	3.68
28	6.02	6.16	6.04	6.24	6.13	6.52	6.01	3.26	3.73	7.23	3.55	4.00
29	5.97	6.15	6.08	6.33	------	6.40	6.07	3.26	3.85	5.92	3.46	3.97
30	5.98	6.14	6.05	6.23	------	6.31	6.05	3.34	3.69	5.22	3.42	3.87
31	5.97	------	6.02	6.20	------	6.25	------	3.31	------	4.88	3.54	------
MEAN	6.04	6.10	6.04	6.16	6.17	6.33	6.10	5.36	3.39	4.76	4.23	4.06
MAX	6.21	6.25	6.18	6.46	6.80	7.02	6.27	6.17	3.88	7.33	6.22	6.19
MIN	5.97	5.98	5.55	6.03	4.76	6.10	6.01	3.26	3.04	3.49	3.42	3.57

CAL YR 1972 MEAN 5.55 MAX 7.75 MIN 3.05
WTR YR 1973 MEAN 5.40 MAX 7.33 MIN 3.04

02274330 Taylor Creek above S-1, near Okeechobee, Fla.

LOCATION.--Lat 27°17'50", long 80°49'45", in NE quarter sec.33, T.36 S., R.35 E., Okeechobee County, near right bank 150 ft (45 m) upstream from control structure 1, 800 ft (240 m) upstream from U. S. Highway 441, 0.3 mi (0.5 km) upstream from Williamson Ditch, 3.7 mi (6.0 km) north of Okeechobee, and 9.7 mi (15.6 km) upstream from mouth at control structure 191.

DRAINAGE AREA.--62.2 sq mi (161.1 sq km).

PERIOD OF RECORD.--March to June 1964 (fragmentary) and July 1964 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Florida Department of Transportation bench mark). Prior to June 25, 1964, reference point at site 150 ft (45 m) downstream.

EXTREMES.--Current year: Maximum gage height, 24.69 ft (7.526 m) June 23, result of coffer dam; minimum, 16.12 ft (4.913 m) June 28. Period of record: Maximum gage height, 24.69 ft (7.526 m) June 23, 1973, result of coffer dam; minimum, 12.87 ft (3.923 m), estimated, Sept. 7, 1965.

REMARKS.--Gage height subject to backwater from Lake Okeechobee. Flow regulated by control structure 191 beginning July 1973.

WATER TEMPERATURE (°C).--Nov. 8 (1230) 26.0°; Nov. 17 (1425) 22.0°; Dec. 1 (1115) 21.0°; Dec. 27 (1230) 16.0°; Jan, 29 (1640) 17.5°; Jan. 30 (1030) 16.0°; Feb. 1 (1010) 15.5°; Feb. 27 (1230) 17.5°; Apr. 26 (1210) 26.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.47	19.39	18.09	17.96	19.71	18.40	18.76	18.35	18.09	19.60	19.60	19.31
2	19.47	19.40	18.03	17.94	19.32	18.36	18.60	17.92	18.02	20.44	19.78	19.30
3	19.48	18.17	18.07	17.92	19.52	18.33	18.50	17.72	17.94	20.85	19.44	19.50
4	19.55	18.09	18.16	18.02	19.40	18.29	18.42	17.77	17.82	20.54	19.28	19.48
5	19.62	18.03	18.25	18.12	19.45	18.27	18.35	17.86	17.78	20.10	19.15	20.06
6	19.58	17.95	18.33	18.06	19.63	18.26	18.25	17.88	17.74	19.11	19.56	19.41
7	19.57	17.87	18.36	18.06	18.96	18.22	18.16	17.90	17.75	19.12	19.54	19.24
8	19.50	17.85	18.83	17.97	18.90	18.25	18.46	17.90	17.98	19.35	19.23	19.24
9	19.46	18.10	18.37	17.90	18.73	18.42	18.86	17.98	18.87	19.94	19.26	19.18
10	19.44	17.97	18.07	18.00	19.87	19.43	18.90	18.84	19.11	20.40	19.28	19.19
11	19.42	17.85	17.97	18.78	21.02	20.67	18.78	18.97	18.74	20.95	19.25	19.22
12	19.42	17.79	18.10	19.58	21.33	20.55	18.30	18.69	18.41	19.84	20.75	19.26
13	19.41	17.87	18.02	20.07	20.66	20.00	18.00	18.61	18.10	19.56	19.80	19.25
14	19.40	18.07	17.96	19.67	19.93	19.46	18.09	18.25	17.95	19.75	19.36	19.24
15	19.41	18.50	17.94	19.17	19.53	19.09	18.08	18.07	18.92	21.05	19.36	19.25
16	19.41	18.18	18.06	18.86	19.26	18.82	18.03	18.07	18.95	19.93	19.63	19.22
17	19.41	17.86	18.15	18.70	19.03	18.57	17.97	18.10	19.20	19.40	19.68	19.45
18	19.41	17.83	17.95	18.59	18.93	18.04	17.94	17.98	19.51	19.25	19.39	19.13
19	19.40	17.87	17.86	18.48	19.01	18.04	17.92	17.90	21.96	19.21	19.34	19.11
20	19.42	18.20	17.95	18.39	19.04	18.72	17.92	17.86	22.70	19.75	19.55	19.10
21	19.46	19.16	18.01	18.32	18.86	18.32	17.90	17.74	23.73	19.55	19.70	19.05
22	19.40	19.05	18.37	18.28	18.72	18.20	18.05	17.65	24.44	19.40	19.00	19.07
23	19.39	18.84	18.96	18.44	18.70	18.13	18.15	17.60	24.65	19.40	19.58	19.04
24	19.38	18.64	18.82	18.68	18.66	18.05	18.22	17.57	24.61	19.22	19.76	19.03
25	19.38	18.52	18.54	18.70	18.57	18.00	18.28	17.60	24.35	19.16	19.80	19.00
26	19.39	18.44	18.36	18.67	18.53	19.60	18.33	17.87	19.78	19.15	20.38	19.03
27	19.38	18.57	18.24	18.73	18.50	21.17	18.43	17.95	17.52	19.42	19.64	19.01
28	19.39	18.72	18.15	19.20	18.44	20.85	18.50	17.89	16.24	20.55	19.35	19.05
29	19.40	18.50	18.10	20.24	------	20.05	18.50	17.85	17.86	20.05	19.32	19.05
30	19.39	18.26	18.08	20.59	------	19.42	18.47	18.25	19.32	19.85	19.24	19.07
31	19.39	------	18.02	20.24	------	19.01	------	18.27	------	19.40	19.28	------
MEAN	19.44	18.32	18.20	18.72	19.29	18.94	18.30	18.03	19.60	19.78	19.53	19.22
MAX	19.62	19.40	18.96	20.59	21.33	21.17	18.90	18.97	24.65	21.05	20.75	20.06
MIN	19.38	17.79	17.86	17.90	18.44	18.00	17.90	17.57	16.24	19.11	19.00	19.00

CAL YR 1972 MEAN 19.28 MAX 22.66 MIN 14.26
WTR YR 1973 MEAN 18.95 MAX 24.65 MIN 16.24

02274495 Williamson Ditch at S-7, near Okeechobee, Fla.

LOCATION.--Lat 27°17'45", long 80°49'35", in NW quarter sec.34, T.36 S., R.35 E., Okeechobee County, near right bank 125 ft (40 m) upstream from control structure 7, 450 ft (135 m) upstream from mouth, and 3.6 mi (5.8 km) north of Okeechobee.

DRAINAGE AREA.--35.4 sq mi (91.7 sq km).

PERIOD OF RECORD.--March 1964 to current year. Prior to October 1968, published as "above S-7."

GAGE.--Water-stage recorder and sharp-crested weir. Datum of gage is at mean sea level (Florida Department of Transportation bench mark). Prior to June 23, 1964, nonrecording gage at site 125 ft (40 m) downstream at same datum.

AVERAGE DISCHARGE.--9 years, 38.1 cfs (1.079 cu m/s), 14.62 in/yr (371 mm/yr), 27,600 acre-ft/yr (34.0 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 230 cfs (6.51 cu m/s) Aug. 26; maximum gage height, 21.65 ft (6.599 m) July 3, backwater from Taylor Creek; minimum, 1.6 cfs (0.045 cu m/s) May 25 (gage height, 19.42 ft or 5.919 m).
Period of record: Maximum discharge, 1,100 cfs (31.2 cu m/s) Aug. 28, 1964 (gage height, 23.12 ft or 7.047 m); maximum gage height, 23.48 ft (7.157 m) Mar. 27, 1970, backwater from Taylor Creek; no flow for part of each day May 21, 24, 26, 27, June 1-3, 1965; minimum gage height after completion of weir in April 1964, 19.37 ft (5.904 m) May 5, 13, 21, 24, 26, 1965.

REMARKS.--Records good. Flow regulated at times by stoplog control 2 mi (3 km) upstream.

WATER TEMPERATURE (°C).--Feb. 27 (1145) 20.5°; Apr. 26 (1110) 26.5°; Aug. 28 (1250) 28.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	4.2	3.9	4.6	12	5.7	3.9	2.7	12	11	117	33
2	6.9	3.9	3.9	4.2	8.1	5.4	3.6	3.3	9.6	50	77	23
3	4.6	3.9	3.6	3.9	8.6	5.4	3.3	3.0	6.5	30	59	54
4	3.9	3.6	3.6	4.2	11	6.1	3.3	2.7	4.6	40	33	51
5	4.2	3.6	3.9	4.2	9.1	7.7	3.0	2.4	3.9	80	23	47
6	3.3	3.3	3.9	4.2	8.1	7.3	3.0	2.1	3.9	54	14	32
7	3.0	2.7	7.7	4.2	7.3	6.5	2.7	2.1	5.0	43	11	23
8	2.7	2.1	5.4	3.9	5.4	6.1	5.7	2.1	48	30	9.0	23
9	2.7	1.8	4.2	3.9	4.6	4.2	9.1	2.7	61	20	13	23
10	3.0	1.8	3.9	4.2	22	5.4	6.5	23	45	40	13	19
11	2.7	2.1	3.9	6.5	29	4.6	5.0	14	23	80	12	23
12	3.0	2.1	3.9	11	20	4.6	3.9	9.1	12	60	40	43
13	2.7	3.0	3.6	10	11	4.2	3.3	5.4	11	50	25	40
14	2.1	3.9	3.3	8.6	7.3	3.9	3.0	3.6	7.7	70	15	30
15	1.8	5.7	3.3	7.3	9.1	4.2	2.7	4.2	9.6	150	13	23
16	2.1	4.2	3.6	6.5	8.6	3.3	2.4	5.0	10	100	23	34
17	2.7	3.0	3.3	5.7	7.3	3.3	2.4	6.5	12	80	90	52
18	3.0	2.7	3.0	5.4	6.5	3.3	2.4	4.2	20	59	56	49
19	3.0	2.4	3.0	5.0	6.9	3.3	2.1	3.3	79	55	30	39
20	3.6	4.6	3.0	4.6	6.5	3.0	2.1	2.7	66	41	50	27
21	4.2	5.7	3.6	4.6	6.1	3.0	2.1	2.4	128	27	128	17
22	2.7	4.6	11	4.6	5.7	3.0	2.1	2.4	188	27	75	20
23	2.4	3.9	8.6	5.7	5.4	3.0	2.4	2.1	128	34	85	61
24	2.1	3.6	6.9	8.6	5.7	2.7	2.4	1.8	103	23	70	40
25	3.0	3.3	6.1	8.1	4.6	2.4	2.7	1.8	105	15	182	36
26	3.0	6.9	5.7	6.5	4.6	16	3.0	2.1	64	18	230	33
27	3.3	6.5	5.0	7.7	5.7	17	3.0	2.4	43	85	105	98
28	3.9	6.1	4.6	12	6.5	9.1	2.7	2.4	26	70	74	58
29	4.2	4.6	6.9	36	------	6.1	2.4	2.7	17	60	45	37
30	4.6	4.2	5.0	31	------	5.4	2.4	12	11	120	33	55
31	4.6	------	4.6	18	------	4.6	------	15	------	148	41	------
TOTAL	103.6	114.0	145.9	254.9	252.7	169.8	98.6	151.2	1,262.8	1,770	1,791.0	1,143
MEAN	3.34	3.80	4.71	8.22	9.03	5.48	3.29	4.88	42.1	57.1	57.8	38.1
MAX	6.9	6.9	11	36	29	17	9.1	23	188	150	230	98
MIN	1.8	1.8	3.0	3.9	4.6	2.4	2.1	1.8	3.9	11	9.0	17
CFSM	.09	.11	.13	.23	.26	.15	.09	.14	1.19	1.61	1.63	1.08
IN.	.11	.12	.15	.27	.27	.18	.10	.16	1.33	1.86	1.88	1.20
AC-FT	205	226	289	506	501	337	196	300	2,500	3,510	3,550	2,270

CAL YR 1972 TOTAL 4,039.9 MEAN 11.0 MAX 343 MIN 1.4 CFSM .31 IN 4.25 AC-FT 8,010
WTR YR 1973 TOTAL 7,257.5 MEAN 19.9 MAX 230 MIN 1.8 CFSM .56 IN 7.63 AC-FT 14,400

02274500 Taylor Creek above Okeechobee, Fla.

LOCATION.--Lat 27°17'03", long 80°49'20", in NW quarter sec.3, T.37 S., R.35 E., Okeechobee County, near center of channel, on downstream side of county bridge 0.8 mi (1.3 km) downstream from Williamson Ditch, 2.8 mi (4.5 km) north of Okeechobee, and 8.7 mi (14.0 km) upstream from mouth at control structure 191.

DRAINAGE AREA.--98.7 sq mi (255.6 sq km).

PERIOD OF RECORD.--June 1955 to current year.

GAGE.--Water-stage recorder and deflection meter recorder. Datum of gage is 8.22 ft (2.505 m) above mean sea level. Prior to Sept. 15, 1962, at datum 10.00 ft (3.048 m) higher. Mar. 9 to June 24, 1964, supplementary nonrecording gage and June 25, 1964 to Aug. 26, 1973, supplementary water-stage recorder, at site on Taylor Creek above S-1, 1.1 mi (1.7 km) upstream from base gage and 0.3 mi (0.5 km) upstream from Williamson Ditch. Mar. 9 to June 22, 1964, supplementary nonrecording gage and June 23, 1964 to Aug. 26, 1973 supplementary water-stage recorder, at site on Williamson Ditch at S-7.

AVERAGE DISCHARGE.--18 years, 106 cfs (3.002 cu m/s), 14.58 in/yr (370 mm/yr), 76,800 acre-ft/yr (94.7 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 750 cfs (21.2 cu m/s) July 15; maximum gage height, 13.07 ft (3.984 m) July 3; minimum daily discharge, 4.1 cfs (0.12 cu m/s) Apr. 22; minimum gage height, 3.12 ft (0.951 m) Dec. 16.
Period of record: Maximum discharge, 6,930 cfs (196 cu m/s) Oct. 16, 1956, gage height, 9.20 ft (2.804 m), datum then is use; no flow at times in some years; minimum gage height, 2.57 ft (0.783 m) Dec. 1, 1963.

REMARKS.--Records good. Flow regulated by control structure 191 beginning July 1973. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	15	13	11	49	18	22	15	20	36	277	182
2	26	15	13	10	37	17	20	9.3	17	73	227	137
3	25	14	12	10	42	16	17	6.9	13	52	199	311
4	32	13	12	10	42	17	16	7.0	9.4	61	153	274
5	40	13	13	13	41	19	15	7.7	8.3	100	123	440
6	33	12	13	12	44	17	13	7.7	8.0	84	104	277
7	32	10	18	12	29	16	12	7.9	9.2	87	91	191
8	24	8.9	15	10	26	16	19	7.9	55	90	80	159
9	21	8.3	13	9.7	23	17	29	9.5	81	100	73	132
10	19	7.8	12	11	62	37	28	43	70	160	63	88
11	18	8.6	12	25	93	61	24	36	41	270	112	92
12	18	9.1	12	46	93	59	15	26	25	180	340	151
13	17	11	12	54	67	47	10	21	19	160	225	164
14	15	13	11	45	49	36	11	14	14	320	165	143
15	16	16	11	33	43	27	11	12	31	750	113	120
16	16	13	12	26	37	22	9.8	13	32	350	113	101
17	17	10	12	23	31	18	9.0	15	39	230	170	123
18	17	9.2	10	20	28	11	8.7	11	53	179	126	201
19	16	9.4	10	19	30	11	8.1	9.1	229	305	90	175
20	17	14	10	17	30	21	8.1	8.0	226	441	150	135
21	22	16	11	16	26	14	6.1	6.5	388	377	248	99
22	15	14	21	16	24	13	4.1	5.7	588	327	215	101
23	14	12	24	19	22	12	4.6	5.0	528	284	205	115
24	13	13	21	26	23	10	4.9	4.5	403	223	160	111
25	14	13	18	25	20	9.4	5.3	4.7	305	185	282	68
26	15	20	16	23	19	51	5.8	7.5	214	168	450	91
27	14	18	15	26	20	85	6.0	8.8	143	385	421	134
28	16	17	13	39	20	69	5.9	8.1	86	520	197	115
29	16	15	15	84	------	50	5.8	7.9	57	410	167	113
30	16	14	13	86	------	36	5.4	22	41	370	128	125
31	16	------	12	66	------	28	------	26	------	348	167	------
TOTAL	614	382.3	425	842.7	1,070	880.4	359.6	393.7	3,752.9	7,625	5,634	4,668
MEAN	19.8	12.7	13.7	27.2	38.2	28.4	12.0	12.7	125	246	182	156
MAX	40	20	24	86	93	85	29	43	588	750	450	440
MIN	13	7.8	10	9.7	19	9.4	4.1	4.5	8.0	36	63	68
AC-FT	1,220	758	843	1,670	2,120	1,750	713	781	7,440	15,120	11,180	9,260

CAL YR 1972 TOTAL 15,572.3 MEAN 42.5 MAX 1,190 MIN 2.8 AC-FT 30,890
WTR YR 1973 TOTAL 26,647.6 MEAN 73.0 MAX 750 MIN 4.1 AC-FT 52,860

02274500 Taylor Creek above Okeechobee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.31	4.53	4.15	4.20	4.45	4.45	4.95	4.26	4.10	11.83	10.82	10.94
2	5.27	4.58	4.30	4.23	4.54	4.53	4.60	4.29	4.04	11.58	10.78	11.00
3	5.23	4.60	4.38	4.28	4.27	4.51	4.85	4.34	3.96	12.16	10.75	10.90
4	5.18	4.55	4.40	4.27	4.19	4.53	5.02	4.29	3.95	12.23	10.75	10.96
5	5.14	4.49	4.44	4.27	4.37	4.51	4.55	4.09	3.94	11.69	10.72	11.37
6	5.13	4.49	4.46	4.26	4.42	4.52	4.58	4.15	3.90	10.80	11.20	10.98
7	5.04	4.57	4.41	4.21	4.36	4.52	4.96	4.20	3.76	10.80	11.20	10.95
8	5.09	4.49	4.43	4.30	4.47	4.58	4.86	4.29	4.36	10.93	10.88	10.95
9	5.08	4.35	4.39	3.96	4.70	4.60	4.70	4.32	4.50	11.41	10.94	10.93
10	5.10	4.44	4.37	3.93	4.52	4.66	4.56	4.39	4.40	11.71	11.00	10.94
11	4.98	4.49	4.36	3.99	4.15	4.73	4.50	4.26	4.25	11.06	10.90	10.96
12	4.77	4.44	4.36	3.91	4.38	4.72	4.65	4.35	4.17	10.90	11.00	10.97
13	4.83	4.48	4.37	3.97	4.56	4.70	4.60	4.44	4.11	10.85	10.96	10.98
14	4.92	4.63	4.42	4.14	4.63	4.77	4.66	4.30	4.14	10.85	10.88	10.96
15	5.07	4.38	4.44	4.21	4.58	4.86	4.59	4.29	4.16	11.00	10.93	10.97
16	5.04	4.33	3.56	4.14	4.34	4.73	4.65	4.08	4.12	10.85	10.90	11.00
17	5.01	4.28	3.37	4.24	4.12	4.74	4.64	4.15	4.17	10.80	10.96	10.92
18	4.96	4.34	4.14	4.25	4.35	4.26	4.66	4.20	4.26	10.80	10.96	10.80
19	4.92	4.46	4.20	4.24	4.45	4.35	4.60	4.20	4.90	10.80	11.05	10.81
20	4.63	4.47	4.25	4.20	4.34	4.55	4.54	4.25	4.96	10.80	11.08	10.83
21	4.68	4.47	4.44	4.33	4.34	4.68	4.50	4.18	5.46	10.80	11.00	10.76
22	4.76	4.37	4.62	4.40	4.42	4.15	4.52	4.15	6.08	10.80	10.50	10.79
23	4.78	4.22	4.44	4.21	4.50	4.23	4.61	4.21	6.08	10.80	10.98	10.78
24	4.79	4.21	4.27	4.28	4.49	4.37	4.65	4.25	5.92	10.78	10.96	10.78
25	4.77	4.52	4.27	4.19	4.56	4.77	4.67	4.25	6.78	10.79	10.96	10.78
26	4.82	4.54	4.20	4.39	4.56	4.84	4.66	4.25	6.37	10.80	11.00	10.79
27	4.86	4.42	3.95	4.40	4.49	4.70	4.76	4.30	5.23	10.82	10.96	10.80
28	4.84	4.47	4.05	4.52	4.39	4.71	4.24	4.34	5.66	10.90	10.94	10.79
29	4.66	4.46	4.16	4.37	------	4.76	4.27	4.30	9.68	10.80	10.96	10.76
30	4.66	4.49	4.18	4.32	------	4.76	4.29	4.21	11.06	10.85	10.92	10.80
31	4.57	------	4.20	4.37	------	4.82	------	4.10	------	10.78	10.94	------
MEAN	4.93	4.45	4.26	4.23	4.43	4.60	4.63	4.25	5.08	11.06	10.93	10.90
MAX	5.31	4.63	4.62	4.52	4.70	4.86	5.02	4.44	11.06	12.23	11.20	11.37
MIN	4.57	4.21	3.37	3.91	4.12	4.15	4.24	4.08	3.76	10.78	10.50	10.76

CAL YR 1972 MEAN 5.11 MAX 9.59 MIN 3.37
WTR YR 1973 MEAN 6.16 MAX 12.23 MIN 3.37

02276984 Monreve Ranch drainage canal near Stuart, Fla.

LOCATION.--Lat 27°03'40", long 80°19'11", in SE quarter sec.22, T.30 S., R.40 E., Martin County, on right bank, 12 ft (4 m) above dam, 200 ft (61 m) upstream from mouth, and 10 mi (16 km) southwest of Stuart.

DRAINAGE AREA.--6.20 sq mi (16.06 sq km).

PERIOD OF RECORD.--June 1959 to July 1973, (discontinued).

GAGE.--Water-stage recorder and steel-plate control. Datum of gage is a mean sea level (Corps of Engineers benchmark).

AVERAGE DISCHARGE.--13 years (1960-72), 8.73 cfs (0.247 cu m/s), 6,320 acre-ft/yr (7.79 cu hm/yr).

EXTREMES.--Maximum discharge during period October 1972 to July 1973, 16 cfs (0.45 cu m/s) June 21, gage height, 16.63 ft (5.069 m); minimum discharge, 0.05 cfs (0.001 cu m/s) June 6, gage height, 15.77 ft (4.807 m).
Period of record: Maximum discharge, 765 cfs (21.7 cu m/s) Sept. 23, 1960, gage height, 19.78 ft (6.029 m), from rating curve extended above 170 cfs (4.81 cu m/s) by logarithmic plotting; no flow Apr. 9 to May 5, May 23, 1968; minimum gage height, 15.29 ft (4.660 m) May 3, 1968.

REMARKS.--Records fair. Flow occasionally regulated by stoplog control structure 1,500 ft (457 m) upstream. Discharge includes flow diverted from St. Lucie Canal for irrigation. There were no diversions into Monreve Ranch drainage canal from St. Lucie Canal during the water year.

COOPERATION.--Record of diversions furnished by Agricultural Research Service, Department of Agriculture.

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1972 TO JULY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.29	.35	.26	.28	1.2	.35	.13	.28	.15	1.5		
2	.31	.31	.29	.27	2.8	.32	.15	.33	.13	1.2		
3	.30	.28	.29	.28	3.8	.34	.12	.37	.13	1.2		
4	.45	.25	.29	.26	3.3	.33	.11	.35	.12	1.1		
5	.46	.23	.32	.25	2.4	.34	.11	.34	.12	.87		
6	.39	.22	.31	.23	1.8	.32	.10	.29	.05	1.2		
7	.35	.26	.30	.19	1.4	.30	.10	.24	.12			
8	.32	.21	.28	.18	1.2	.28	.13	.20	.42			
9	.31	.19	.26	.18	.95	.27	.11	.27	.30			
10	.30	.19	.23	.18	1.6	.28	.10	.34	.25			
11	.40	.18	.19	.26	2.1	.25	.09	.29	.23			
12	.79	.16	.18	.23	1.7	.25	.08	.25	.21			
13	.84	.14	.17	.23	1.4	.26	.11	.28	.23			
14	1.1	.17	.15	.19	1.1	.26	.64	.29	.35			
15	.92	.18	.16	.18	.93	.24	.78	.29	.42			
16	.79	.15	.16	.18	.78	.25	.71	.24	5.5			
17	.61	.14	.14	.18	.66	.23	.43	.19	6.4			
18	.32	.13	.16	.17	.63	.21	.30	.20	3.1			
19	.42	.14	.18	.18	.63	.20	.24	.25	1.8			
20	.52	.20	.16	.18	.61	.15	.21	.19	4.2			
21	.47	.17	.16	.18	.59	.15	.23	.17	16			
22	.40	.17	.38	.31	.54	.12	.22	.17	9.9			
23	.39	.16	.25	2.6	.50	.10	.21	.17	6.6			
24	.38	.15	.25	4.0	.48	.10	.26	.18	5.8			
25	.38	.16	.27	3.1	.46	.09	.35	.19	4.2			
26	.41	.19	.28	2.2	.43	.19	.33	.19	3.8			
27	.32	.24	.30	1.6	.39	.12	.30	.17	4.5			
28	.30	.27	.30	1.3	.36	.11	.23	.16	3.4			
29	.34	.27	.30	1.3	------	.11	.24	.16	.13			
30	.45	.26	.29	1.1	------	.12	.24	.17	1.9			
31	.38	------	.28	.97	------	.15	------	.16	------			------
TOTAL	14.41	6.12	7.54	22.94	34.74	6.79	7.36	7.37	80.46			
MEAN	.46	.20	.24	.74	1.24	.22	.25	.24	2.68			
MAX	1.1	.35	.38	4.0	3.8	.35	.78	.37	16			
MIN	.29	.13	.14	.17	.36	.09	.08	.16	.05			
AC-FT	29	12	15	46	69	13	15	15	160			

CAL YR 1972 TOTAL 2,283.82 MEAN 6.24 MAX 139 MIN .13 AC-FT 4,530

02276984 Monreve Ranch drainage canal near Stuart, Fla.

GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JULY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.94	15.95	15.93	15.94	16.17	15.99	15.86	15.94	15.85	16.18		
2	15.95	15.93	15.94	15.94	16.32	15.98	15.87	15.96	15.84	16.15		
3	15.93	15.92	15.94	15.94	16.38	15.97	15.85	15.97	15.84	16.14		
4	15.98	15.90	15.94	15.94	16.35	15.97	15.84	15.96	15.83	16.13		
5	15.98	15.89	15.95	15.93	16.30	15.97	15.84	15.95	15.83	16.09		
6	15.96	15.89	15.95	15.93	16.25	15.97	15.83	15.93	15.77	16.14		
7	15.94	15.91	15.95	15.92	16.21	15.95	15.83	15.91	15.83			
8	15.93	15.89	15.94	15.91	16.18	15.95	15.86	15.89	15.97			
9	15.92	15.87	15.93	15.91	16.15	15.94	15.84	15.92	15.91			
10	15.91	15.87	15.92	15.91	16.23	15.95	15.83	15.95	15.89			
11	15.96	15.87	15.91	15.95	16.27	15.93	15.82	15.93	15.88			
12	16.06	15.87	15.90	15.93	16.24	15.93	15.81	15.91	15.87			
13	16.06	15.86	15.89	15.93	16.21	15.94	15.84	15.93	15.89			
14	16.10	15.87	15.88	15.92	16.17	15.93	16.05	15.93	15.93			
15	16.07	15.87	15.88	15.91	16.15	15.92	16.09	15.93	15.97			
16	16.05	15.86	15.89	15.91	16.12	15.92	16.07	15.91	16.18			
17	16.00	15.86	15.87	15.91	16.09	15.92	16.00	15.89	16.41			
18	15.91	15.85	15.88	15.90	16.08	15.91	15.95	15.89	16.28			
19	15.95	15.85	15.90	15.91	16.08	15.90	15.92	15.91	16.19			
20	15.98	15.89	15.89	15.91	16.08	15.87	15.91	15.88	16.35			
21	15.97	15.87	15.88	15.91	16.06	15.87	15.92	15.87	16.63			
22	15.96	15.88	15.98	15.95	16.05	15.85	15.91	15.87	16.52			
23	15.96	15.88	15.94	16.26	16.04	15.83	15.90	15.87	16.44			
24	15.95	15.87	15.93	16.38	16.03	15.83	15.93	15.88	16.41			
25	15.95	15.88	15.94	16.33	16.03	15.82	15.97	15.89	16.35			
26	15.96	15.90	15.95	16.27	16.02	15.89	15.96	15.87	16.33			
27	15.92	15.92	15.96	16.23	16.01	15.85	15.95	15.86	16.36			
28	15.92	15.93	15.96	16.19	15.99	15.84	15.92	15.85	16.31			
29	15.94	15.93	15.95	16.18	------	15.84	15.92	15.86	15.84			
30	15.98	15.93	15.95	16.16	------	15.85	15.92	15.86	16.21			
31	15.95	------	15.95	16.14	------	15.87	------	15.86	------			------
MEAN	15.97	15.89	15.92	16.01	16.15	15.91	15.91	15.90	16.10			
MAX	16.10	15.95	15.98	16.38	16.38	15.99	16.09	15.97	16.63			
MIN	15.91	15.85	15.87	15.90	15.99	15.82	15.81	15.85	15.77			

02277000 St. Lucie Canal at lock, near Stuart, Fla.

LOCATION.--Lat 27°06'39", long 80°17'06", in Hanson Grant, T.39 S., R.41 E., Martin County, at upstream end of right lock wall, 6.3 mi (10.1 km) southwest of Stuart.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1952 to current year. Gage-height records collected at same site since December 1924 are contained in files of the Everglades Drainage District and Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Nov. 3, 1948, nonrecording gage at same site and at various datums. Sept. 5, 1952 to Jan. 1, 1955, auxiliary water-stage recorder at Arundel Bridge, 1.9 mi (3.1 km) upstream, at mean sea level.

AVERAGE DISCHARGE.--21 years, 1,141 cfs (32.31 cu m/s), 826,000 acre-ft/yr (1.02 cu km/yr).

EXTREMES.--Current year: Maximum daily discharge, 20 cfs (0.57 cu m/s) many days in Jan., Feb., and Mar.; maximum gage height, 15.34 ft (4.676 m) Sept. 25; lock closed and flow consists of leakage and lockage estimated at 12 cfs (0.34 cu m/s) many days during the year; minimum gage height, 11.65 ft (3.551 m) June 6.

Period of record: Maximum daily discharge, 11,500 cfs (326 cu m/s) Mar. 26, 1970; lock closed and flow consists of leakage and lockage estimated as 10 cfs (0.28 cu m/s) during several periods in each year prior to September 1967.

REMARKS.--Flow regulated by lock near Stuart. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

COOPERATION.--Records furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WRD Florida 1967: 1966.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	18	18	20	20	20	18	18	12	12	12	12
2	12	18	18	20	20	20	18	18	12	12	12	12
3	12	18	18	20	20	20	18	18	12	12	12	12
4	12	18	18	20	20	20	18	18	12	12	12	12
5	12	18	18	20	20	20	18	18	12	12	12	12
6	12	18	18	20	20	20	18	18	12	12	12	12
7	12	18	18	20	20	20	18	18	12	12	12	12
8	12	18	18	20	20	20	18	18	12	12	12	12
9	12	18	18	20	20	20	18	18	12	12	12	12
10	12	18	18	20	20	20	18	18	12	12	12	12
11	12	18	18	20	20	20	18	18	12	12	12	12
12	12	18	18	20	20	20	18	18	12	12	12	12
13	12	18	18	20	20	20	18	18	12	12	12	12
14	12	18	18	20	20	20	18	18	12	12	12	12
15	12	18	18	20	20	20	18	18	12	12	12	12
16	12	18	18	20	20	20	18	18	12	12	12	12
17	12	18	18	20	20	20	18	18	12	12	12	12
18	12	18	18	20	20	20	18	18	12	12	12	12
19	12	18	18	20	20	20	18	18	12	12	12	12
20	12	18	18	20	20	20	18	18	12	12	12	12
21	12	18	18	20	20	20	18	18	12	12	12	12
22	12	18	18	20	20	20	18	18	12	12	12	12
23	12	18	18	20	20	20	18	18	12	12	12	12
24	12	18	18	20	20	20	18	18	12	12	12	12
25	12	18	18	20	20	20	18	18	12	12	12	12
26	12	18	18	20	20	20	18	18	12	12	12	12
27	12	18	18	20	20	20	18	18	12	12	12	12
28	12	18	18	20	20	20	18	18	12	12	12	12
29	12	18	18	20	------	20	18	18	12	12	12	12
30	12	18	18	20	------	20	18	18	12	12	12	12
31	12	------	18	20	------	20	------	18	------	12	12	------
TOTAL	372	540	558	620	560	620	540	558	360	372	372	360
MEAN	12.0	18.0	18.0	20.0	20.0	20.0	18.0	18.0	12.0	12.0	12.0	12.0
MAX	12	18	18	20	20	20	18	18	12	12	12	12
MIN	12	18	18	20	20	20	18	18	12	12	12	12
AC-FT	738	1,070	1,110	1,230	1,110	1,230	1,070	1,110	714	738	738	714

CAL YR 1972 TOTAL 7,183 MEAN 19.6 MAX 28 MIN 12 AC-FT 14,250
WTR YR 1973 TOTAL 5,832 MEAN 16.0 MAX 20 MIN 12 AC-FT 11,570

02277470 Lateral Canal on Hynie Lane Road, near Jupiter, Fla.

LOCATION.--Lat 26°55'38", long 80°13'57", in NW quarter sec.10, T.41 S., R.41 E., Palm Beach County, on south bank 100 ft (30 m) west of intersection of Hynie Road and Lateral Canal, 1.0 mi (1.6 km) south of State Highway 706, and 8.0 mi (12.9 km) west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period June to September, 18.95 ft (5.776 m) Sept. 1 (estimated); minimum, 15.80 ft (4.816 m) June 12.

REMARKS.--Gage records water levels in the western part of a developing residential area. Water levels are affected by control operations.

GAGE HEIGHT, IN FEET, JUNE TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										16.34	16.55	18.73
2										16.38	16.54	18.53
3										16.35	16.52	18.33
4										16.31	16.61	18.13
5										16.34	16.58	17.88
6										16.39	16.55	17.68
7										16.34	16.54	17.43
8										16.48	16.61	17.23
9										16.53	16.75	17.13
10										16.48	16.71	16.83
11									15.82	16.44	16.62	17.68
12									15.86	16.42	16.58	18.33
13									16.01	16.84	16.56	17.93
14									16.15	17.52	16.54	17.33
15									16.28	16.69	16.62	17.08
16									16.24	16.53	17.39	17.18
17									16.20	16.49	18.12	17.23
18									16.20	16.48	17.54	17.13
19									16.28	16.53	17.11	17.18
20									16.37	16.68	16.97	17.23
21									16.27	17.18	16.95	17.18
22									16.28	17.43	16.80	17.13
23									16.32	17.23	16.69	17.03
24									16.31	16.83	17.32	17.03
25									16.31	16.68	17.83	16.98
26									16.32	16.53	17.22	16.96
27									16.30	16.77	17.01	16.93
28									16.29	16.87	16.92	16.91
29					------				16.28	16.75	16.84	16.89
30					------				16.27	16.69	16.91	16.87
31		------			------		------		------	16.58	17.96	------
MEAN										16.65	16.92	17.40
MAX										17.52	18.12	18.73
MIN										16.31	16.52	16.83

02277480 Lateral Canal on Jupiter Farms Road, near Jupiter, Fla.

LOCATION.--Lat 26°55'37", long 80°11'31", in NE quarter sec.12, T.41 S., R.41 E., Palm Beach County, on north bank 100 ft (30 m) west of Jupiter Farms Road, 1.0 mi (1.6 km) south of State Highway 706 and 5.5 mi (8.8 km) west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period July to September, 14.94 ft (4.554 m) Sept. 1; minimum, 12.18 ft (3.712 m) Sept. 30.

REMARKS.--Gage records water levels in the eastern part of a developing residential area. Water levels are affected by control operations.

GAGE HEIGHT, IN FEET, JULY TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											13.38	14.84
2											13.07	14.87
3											12.99	14.71
4											13.48	14.48
5											13.72	14.32
6										12.41	13.25	14.08
7										12.46	13.06	13.53
8										12.38	13.57	13.06
9										12.83	13.88	12.64
10										13.80	13.48	12.41
11										13.63	13.06	12.87
12										13.08	12.68	14.57
13										12.84	12.48	14.23
14										14.87	12.34	13.77
15										14.62	12.29	13.18
16										13.95	13.40	13.17
17										13.37	14.76	13.40
18										13.00	14.52	13.03
19										12.82	13.96	12.99
20										13.23	13.36	13.41
21										13.65	13.11	12.74
22										14.87	12.87	12.45
23										14.70	12.59	12.40
24										14.14	13.18	12.36
25										13.48	14.30	12.30
26										13.03	14.01	12.26
27										12.88	13.40	12.22
28										13.33	12.97	12.20
29				------						13.59	12.69	12.19
30				------						13.98	12.63	12.19
31		------		------		------		------		13.59	13.67	------
MEAN											13.30	13.23
MAX											14.76	14.87
MIN											12.29	12.19

02277600 Loxahatchee River near Jupiter, Fla.

LOCATION.--Lat 26°56'20", long 80°10'31", in NE quarter sec.6, T.41 S., R.42 E., Palm Beach County, near left bank, 0.2 mi (0.3 km) downstream from State Highway 706, 1.3 mi (2.1 km) upstream from Sunshine State Parkway, and 5.2 mi (8.4 km) west of Jupiter.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum daily discharge, 357 cfs (10.1 cu m/s) Sept. 2; maximum gage height, 13.15 ft (4.008 m) Sept. 1, 2; minimum daily discharge, 4.4 cfs (0.12 cu m/s) May 8; minimum gage height, 9.12 ft (2.780 m) May 9.
Period of record: Maximum daily discharge, 735 cfs (20.8 cu m/s) May 13, 1972; maximum gage height, 14.51 ft (4.423 m) May 12, 13, 1972; minimum daily discharge, 4.4 cfs (0.12 cu m/s) May 8, 1973; minimum gage height, 9.12 ft (2.780 m) May 9, 1973.

REMARKS.--Records good. This station provides information on the fresh water inflow to the Loxahatchee estuary from the headwaters area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	15	25	21	26	16	8.9	5.0	15	29	84	317
2	21	15	24	20	28	16	9.0	4.8	14	26	74	357
3	21	15	23	20	29	16	8.0	4.8	13	27	70	341
4	21	15	23	20	28	15	7.4	4.7	12	29	82	308
5	20	15	22	19	28	15	6.9	4.5	12	29	100	273
6	19	15	21	19	28	15	6.8	4.5	12	27	81	232
7	18	17	21	19	28	15	6.8	4.5	13	26	68	180
8	17	18	20	18	27	14	6.9	4.4	57	27	62	136
9	16	19	20	17	25	14	7.0	4.9	58	35	84	107
10	16	18	19	16	24	14	6.7	8.0	46	65	88	86
11	16	18	18	18	23	14	6.3	8.4	38	76	76	106
12	17	18	18	19	22	13	5.8	7.9	34	56	61	299
13	18	18	18	20	21	12	5.7	7.9	31	46	52	273
14	18	18	17	20	21	12	6.1	7.7	30	58	46	207
15	17	19	17	19	21	11	8.7	8.5	51	178	42	151
16	17	20	17	18	20	11	8.4	11	63	144	71	142
17	17	20	17	17	19	10	7.9	11	66	94	189	161
18	16	20	17	17	19	10	7.3	11	51	68	187	143
19	16	20	18	16	20	9.4	6.9	10	43	54	144	139
20	16	30	18	15	21	8.8	6.6	10	44	48	113	218
21	16	41	18	15	20	8.7	6.3	9.7	54	53	103	145
22	16	34	21	14	19	8.3	5.8	9.2	60	96	99	116
23	16	31	23	15	18	7.9	5.7	8.9	53	175	82	106
24	16	29	24	25	17	8.0	5.6	10	54	152	98	103
25	16	28	24	26	17	7.8	5.2	15	49	108	193	96
26	16	27	24	26	18	9.9	5.0	15	45	80	171	88
27	16	27	24	25	17	11	5.8	17	45	63	131	83
28	16	27	24	25	16	10	5.8	18	42	81	107	77
29	16	26	24	25	------	9.7	5.7	18	38	90	91	74
30	16	25	23	25	------	9.6	5.3	16	34	108	85	73
31	15	------	23	26	------	9.2	------	16	------	88	142	------
TOTAL	533	658	645	615	620	361.3	200.3	296.3	1,177	2,236	3,076	5,137
MEAN	17.2	21.9	20.8	19.8	22.1	11.7	6.68	9.56	39.2	72.1	99.2	171
MAX	21	41	25	26	29	16	9.0	18	66	178	193	357
MIN	15	15	17	14	16	7.8	5.0	4.4	12	26	42	73
AC-FT	1,060	1,310	1,280	1,220	1,230	717	397	588	2,330	4,440	6,100	10,190

CAL YR 1972 TOTAL 16,499.0 MEAN 45.1 MAX 735 MIN 15 AC-FT 32,730
WTR YR 1973 TOTAL 15,554.9 MEAN 42.6 MAX 357 MIN 4.4 AC-FT 30,850

02277600 Loxahatchee River near Jupiter, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.74	9.97	11.19	11.03	11.34	10.34	9.63	9.23	10.16	11.07	12.03	13.04
2	10.73	9.97	11.13	11.01	11.43	10.31	9.64	9.22	10.07	10.91	11.94	13.15
3	10.70	9.96	11.04	10.97	11.46	10.27	9.55	9.21	10.00	10.94	11.90	13.10
4	10.66	9.94	10.98	10.96	11.39	10.22	9.49	9.19	9.93	11.10	12.00	13.01
5	10.62	9.94	10.91	10.95	11.35	10.20	9.45	9.16	9.94	11.09	12.15	12.89
6	10.48	9.94	10.83	10.93	11.29	10.18	9.43	9.16	9.91	10.98	11.99	12.74
7	10.34	10.18	10.73	10.90	11.26	10.15	9.44	9.16	9.99	10.94	11.87	12.51
8	10.25	10.40	10.68	10.84	11.17	10.11	9.46	9.14	11.79	10.95	11.80	12.27
9	10.17	10.41	10.63	10.77	11.07	10.08	9.47	9.20	11.82	11.19	12.01	12.08
10	10.13	10.41	10.56	10.74	10.98	10.08	9.44	9.56	11.62	11.90	12.04	11.91
11	10.12	10.41	10.46	10.83	10.87	10.08	9.41	9.60	11.44	12.02	11.93	12.00
12	10.26	10.36	10.39	10.95	10.76	10.01	9.36	9.54	11.29	11.79	11.77	12.95
13	10.36	10.31	10.35	11.00	10.69	9.93	9.35	9.54	11.15	11.63	11.64	12.86
14	10.35	10.37	10.31	11.00	10.64	9.87	9.40	9.52	11.10	11.71	11.53	12.60
15	10.28	10.53	10.27	10.95	10.60	9.82	9.67	9.60	11.71	12.69	11.45	12.33
16	10.21	10.60	10.28	10.88	10.52	9.76	9.65	9.89	11.85	12.51	11.79	12.28
17	10.18	10.65	10.30	10.82	10.43	9.73	9.60	9.88	11.92	12.17	12.63	12.37
18	10.13	10.66	10.33	10.77	10.40	9.70	9.54	9.81	11.71	11.93	12.62	12.26
19	10.13	10.65	10.38	10.70	10.44	9.62	9.48	9.77	11.57	11.76	12.40	12.21
20	10.14	11.17	10.42	10.68	10.51	9.56	9.45	9.76	11.59	11.66	12.20	12.59
21	10.17	11.61	10.46	10.62	10.47	9.56	9.41	9.72	11.77	11.74	12.12	12.23
22	10.15	11.48	10.73	10.58	10.41	9.53	9.36	9.67	11.85	12.13	12.09	12.03
23	10.13	11.42	11.04	10.68	10.35	9.49	9.34	9.64	11.75	12.66	11.94	11.94
24	10.10	11.39	11.12	11.30	10.34	9.50	9.33	9.77	11.77	12.54	12.04	11.90
25	10.10	11.37	11.16	11.41	10.36	9.49	9.28	10.14	11.69	12.26	12.63	11.83
26	10.09	11.35	11.18	11.37	10.40	9.71	9.25	10.15	11.62	12.02	12.51	11.75
27	10.06	11.35	11.16	11.34	10.39	9.78	9.35	10.33	11.62	11.85	12.29	11.69
28	10.06	11.33	11.14	11.35	10.34	9.73	9.35	10.41	11.54	12.02	12.12	11.62
29	10.08	11.30	11.09	11.34	------	9.70	9.33	10.39	11.43	12.10	11.99	11.57
30	10.06	11.26	11.07	11.35	------	9.69	9.28	10.28	11.28	12.24	11.94	11.55
31	10.00	------	11.03	11.35	------	9.65	------	10.22	------	12.08	12.32	------
MEAN	10.26	10.69	10.75	10.98	10.77	9.87	9.44	9.67	11.23	11.76	12.05	12.31
MAX	10.74	11.61	11.19	11.41	11.46	10.34	9.67	10.41	11.92	12.69	12.63	13.15
MIN	10.00	9.94	10.27	10.58	10.34	9.49	9.25	9.14	9.91	10.91	11.45	11.55

CAL YR 1972 MEAN 11.28 MAX 14.36 MIN 9.94
WTR YR 1973 MEAN 10.81 MAX 13.15 MIN 9.14

02277730 Intracoastal Waterway at Donald Ross Road near Juno Beach, Fla.

LOCATION.--Lat 26°52'55", long 80°04'12", in SE quarter sec.20, T.41 S., R.43 E., Palm Beach County, near west bank at bridge on Donald Ross Road, 1 mi (2 m) west of Juno Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1971 to January 1973, discontinued.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period October 1972 to January 1973, 3.09 ft (0.948 m) Oct. 22; minimum, -1.60 ft (-0.488 m) Dec. 20 (estimated).
Period of record: Maximum gage height, 3.29 ft (1.003 m) Nov. 5, 1971; minimum, -2.30 ft (-0.701 m) Apr. 25, 1972.

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	1.96	1.57	1.58								
2	1.89	2.13	1.75	1.63								
3	2.23	2.03	1.82	1.95								
4	2.34	1.99	1.87	1.82								
5	2.51	2.02	1.75	1.79								
6	2.83	1.99	1.52	1.87								
7	2.84	2.44	1.28	1.80								
8	2.81	2.18	1.36	1.84								
9	2.52	2.31	1.33	2.03								
10	2.16	2.13	1.33	2.27								
11	2.23	1.90	1.28	2.26								
12	2.27	1.82	1.10	2.59								
13	2.29	2.12	.94	2.47								
14	1.93	1.93	.99	2.46								
15	1.66	1.83	1.58	2.44								
16	1.91	2.09	1.75	2.16								
17	1.87	2.35	2.10	2.23								
18	1.69	2.63	2.64	2.29								
19	1.76	2.80	2.73	2.28								
20	2.09	2.63	2.50	2.13								
21	2.77	2.49	2.82	2.30								
22	3.09	2.66	2.41	1.88								
23	3.03	2.68	2.11	1.53								
24	2.89	2.59	1.71	1.53								
25	2.73	2.62	1.75	1.49								
26	2.64	1.88	1.73	1.45								
27	2.38	1.45	1.80	1.42								
28	2.02	1.21	1.88	1.44								
29	1.91	1.31	1.67	1.38	------							
30	1.96	1.33	1.66	1.30	------							
31	1.89	------	1.73	1.24	------		------		------			------
MEAN	2.30	2.12	1.76	1.90								
MAX	3.09	2.80	2.82	2.59								
MIN	1.66	1.21	.94	1.24								

CAL YR 1972 MEAN 1.83 MAX 3.09 MIN .84

02277730 Intracoastal Waterway at Donald Ross Road near Juno Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.60	-.35	-.75	-.90								
2	-.63	-.37	-.76	-1.01								
3	-.41	-.55	-.88	-.87								
4	-.13	-.71	-.92	-.97								
5	-.08	-.87	-.93	-1.11								
6	.02	-.85	-1.17	-1.02								
7	.09	-.35	-1.48	-1.03								
8	.21	-.41	-1.20	-.77								
9	-.08	-.13	-1.14	-.52								
10	-.34	-.24	-1.08	-.06								
11	-.10	-.39	-.93	.00								
12	.19	-.36	-.98	.07								
13	.23	-.03	-1.20	-.10								
14	.05	-.14	-1.08	-.34								
15	-.25	-.30	-1.13	-.98								
16	-.14	-.23	-1.09	-.97								
17	-.26	-.33	-1.13	-1.01								
18	-.66	-.35	-.43	-1.08								
19	-.74	-.58	-1.35	-1.14								
20	-.90	-.94	-1.60	-1.11								
21	-.36	-1.22	-1.41	-.89								
22	-.18	-1.13	-1.28	-.87								
23	-.43	-.91	-1.33	-1.01								
24	-.64	-.69	-1.53	-.79								
25	-.78	-.40	-1.02	-.76								
26	-.62	-.83	-.38	-.67								
27	-.56	-1.04	-.35	-.68								
28	-.60	-.97	-.63	-.83								
29	-.59	-.97	-.59	-.97	------							
30	-.30	-.91	-.68	-.99	------							
31	-.33	------	-.87	-1.00	------		------		------			------
MEAN	-.32	-.59	-1.01	-.79								
MAX	.23	-.03	-.35	.07								
MIN	-.90	-1.22	-1.60	-1.14								

CAL YR 1972 MEAN -.83 MAX .23 MIN -1.85

02277750 M-2 Canal in Royal Palm Beach Colony near Loxahatchee, Fla.

LOCATION.--Lat 26°48'32", long 80°18'41", in NE quarter sec.23, T.42 S., R.40 E., Palm Beach County, on east bank 50 ft (15 m) south of intersection of M-2 Canal and Hamlin Blvd., 8.5 mi (13.7 km) north of State Highway 80 and 9 mi (14.5 km) north of Loxahatchee.

PERIOD OF RECORD.--June to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during the period June to September, 18.45 ft (5.624 m) Sept. 20; minimum, 14.28 ft (4.353 m) June 18.

REMARKS.--Gage records water levels in the northern part of an agricultural area. Water levels are affected by control operations.

GAGE HEIGHT, IN FEET, JUNE TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										14.58	15.60	16.68
2										14.49	15.80	16.60
3										14.50	16.10	16.63
4										14.55	16.30	16.68
5										14.55	16.50	16.82
6										14.49	16.70	17.03
7										14.43	16.80	17.30
8										14.91	16.82	17.65
9										15.50	16.66	17.95
10										15.94	16.36	18.14
11										16.40	16.43	18.24
12										16.22	16.54	18.19
13										16.02	16.70	18.29
14										16.00	16.85	18.36
15										16.52	16.97	18.39
16										16.50	17.02	18.40
17										16.51	17.15	18.06
18									14.37	14.37	17.35	18.12
19									14.34	16.20	17.61	17.93
20									14.33	15.98	17.85	17.96
21									14.47	15.56	17.50	18.07
22									14.52	15.27	17.06	18.20
23									14.53	15.15	17.19	18.10
24									14.78	15.00	17.07	17.90
25									15.64	15.75	16.92	17.70
26									15.49	16.00	17.09	17.60
27									15.24	16.25	17.31	17.50
28									15.04	16.35	17.57	17.45
29					------				14.85	16.15	17.69	17.43
30					------				14.70	15.75	17.71	17.40
31		------			------		------		------	15.50	17.24	------
MEAN										15.53	16.92	17.69
MAX										16.52	17.85	18.40
MIN										14.37	15.60	16.60

02277900 Canal M near Mangonia Park, Fla.

LOCATION.--Lat 26°45'00", long 80°06'33", in NW quarter sec.12, T.43 S., R.42 E., Palm Beach County, on right bank at upstream side of culvert headwall on State Highway 809, 1.7 mi (2.7 km) upstream from Lake Mangonia and 2.3 mi (3.7 km) west of Mangonia Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Palm Beach County bench mark).

EXTREMES.--Current year: Maximum daily discharge, 68 cfs (1.92 cu m/s) Sept. 4,5; maximum gage height, 15.05 ft (4.587 m) Sept. 19; minimum daily discharge, 21 cfs (0.59 cu m/s) Nov. 5 and May 8; minimum gage height, 12.24 ft (3.731 m) May 9.
Period of record: Maximum daily discharge, 96 cfs (2.72 cu m/s) Aug. 19, 1971; maximum gage height, 15.33 ft (4.673 m) Nov. 5, 1972; no flow May 7, 1971; minimum gage height, 10.84 ft (3.304 m) May 7, 1971.

REMARKS.--Records fair. Flow regulated by operation of control structures above and below station.
height.

WATER TEMPERATURE (°C).--Dec. 26 (0935) 18.0°; Jan. 28 (1200) 25.0°; Feb. 21 (0900) 11.0°; Mar. 19 (0900) 16.0°; Apr. 17 (0845) 25.0°; May 17 (1000) 25.5°; June 14 (0930) 29.5°; Aug. 20 (1200) 27.5°; Sept. 18 (0955) 26.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	28	47	36	42	58	37	29	36	42	53	60
2	51	25	47	36	43	57	38	28	32	39	54	62
3	50	23	47	38	44	56	40	26	33	38	54	65
4	51	23	47	39	46	54	39	24	34	39	54	68
5	53	21	48	38	46	53	38	22	32	37	54	68
6	53	24	48	38	46	51	38	22	35	34	53	67
7	52	38	49	38	46	49	38	26	37	32	53	63
8	51	45	48	37	46	48	39	21	55	30	54	58
9	50	43	48	36	45	47	40	24	56	28	54	57
10	49	43	47	39	44	46	43	44	56	28	55	56
11	47	43	46	39	43	45	45	46	55	31	56	55
12	46	42	45	40	43	44	45	47	53	33	55	57
13	44	41	45	39	45	41	44	48	52	33	54	56
14	44	42	43	38	44	39	44	47	53	31	52	55
15	42	42	43	38	44	36	44	49	54	33	50	58
16	40	42	41	37	42	33	45	50	56	34	49	59
17	40	41	39	37	41	30	45	50	56	33	49	62
18	38	40	38	37	42	27	45	49	58	33	47	62
19	37	40	36	36	44	25	44	49	57	34	45	65
20	36	42	35	35	44	25	41	49	58	33	45	64
21	35	43	36	38	44	23	39	47	50	33	44	61
22	33	43	38	39	46	24	38	46	42	43	44	58
23	35	43	38	39	46	26	41	45	43	49	44	57
24	36	43	38	40	47	27	39	43	44	52	44	56
25	34	43	38	39	60	28	38	43	46	52	46	56
26	33	43	36	39	63	32	35	43	47	55	46	57
27	33	46	35	41	61	33	36	42	48	58	46	58
28	32	46	34	43	60	35	35	42	47	63	45	58
29	31	48	35	43	------	35	34	42	46	66	46	59
30	30	47	35	43	------	36	32	39	44	60	47	61
31	28	------	35	42	------	36	------	37	------	53	53	------
TOTAL	1,284	1,173	1,285	1,197	1,307	1,199	1,199	1,219	1,415	1,259	1,545	1,798
MEAN	41.4	39.1	41.5	38.6	46.7	38.7	40.0	39.3	47.2	40.6	49.8	59.9
MAX	53	48	49	43	63	58	45	50	58	66	56	68
MIN	28	21	34	35	41	23	32	21	32	28	44	55
AC-FT	2,550	2,330	2,550	2,370	2,590	2,380	2,380	2,420	2,810	2,500	3,060	3,570

CAL YR 1972 TOTAL 17,704 MEAN 48.4 MAX 80 MIN 16 AC-FT 35,120
WTR YR 1973 TOTAL 15,880 MEAN 43.5 MAX 68 MIN 21 AC-FT 31,500

02277900 Canal M near Mangonia Park, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.55	14.24	14.64	14.33	14.52	14.80	13.60	12.59	12.54	12.97	13.75	14.50
2	14.57	14.19	14.64	14.34	14.54	14.76	13.58	12.55	12.46	12.93	13.78	14.55
3	14.56	14.16	14.64	14.38	14.57	14.74	13.57	12.49	12.47	12.92	13.80	14.64
4	14.59	14.16	14.63	14.39	14.60	14.68	13.52	12.44	12.50	12.95	13.81	14.73
5	14.65	14.12	14.65	14.39	14.61	14.64	13.45	12.38	12.47	12.93	13.82	14.77
6	14.65	14.19	14.66	14.39	14.60	14.59	13.41	12.37	12.53	12.89	13.83	14.77
7	14.64	14.50	14.66	14.39	14.61	14.54	13.38	12.43	12.58	12.86	13.84	14.69
8	14.62	14.68	14.65	14.36	14.62	14.49	13.36	12.32	12.98	12.82	13.87	14.61
9	14.61	14.63	14.64	14.35	14.60	14.47	13.33	12.37	12.99	12.80	13.89	14.61
10	14.58	14.62	14.62	14.40	14.56	14.43	13.37	12.80	13.00	12.81	13.93	14.61
11	14.55	14.62	14.59	14.42	14.55	14.39	13.36	12.82	12.98	12.91	13.97	14.62
12	14.52	14.59	14.56	14.43	14.56	14.36	13.33	12.83	12.93	12.95	13.98	14.69
13	14.50	14.57	14.55	14.42	14.59	14.29	13.27	12.84	12.92	12.97	13.96	14.68
14	14.49	14.58	14.52	14.40	14.58	14.23	13.22	12.82	12.95	12.96	13.93	14.68
15	14.46	14.59	14.52	14.39	14.58	14.14	13.19	12.84	12.98	13.02	13.91	14.77
16	14.43	14.58	14.46	14.38	14.54	14.07	13.17	12.85	13.03	13.04	13.91	14.81
17	14.43	14.56	14.41	14.38	14.52	13.98	13.12	12.84	13.06	13.05	13.91	14.91
18	14.39	14.52	14.38	14.37	14.53	13.90	13.10	12.83	13.11	13.07	13.89	14.92
19	14.36	14.52	14.35	14.35	14.58	13.86	13.07	12.82	13.12	13.09	13.87	14.99
20	14.35	14.56	14.32	14.34	14.59	13.81	13.00	12.82	13.15	13.10	13.88	14.97
21	14.33	14.58	14.33	14.40	14.59	13.73	12.94	12.79	12.98	13.11	13.89	14.91
22	14.29	14.58	14.37	14.43	14.61	13.70	12.90	12.76	12.83	13.35	13.91	14.84
23	14.36	14.58	14.38	14.43	14.61	13.72	12.95	12.73	12.86	13.50	13.92	14.82
24	14.38	14.58	14.37	14.45	14.63	13.70	12.90	12.69	12.91	13.58	13.95	14.79
25	14.35	14.58	14.36	14.44	14.90	13.68	12.85	12.69	12.96	13.60	14.02	14.79
26	14.33	14.58	14.33	14.43	14.96	13.73	12.78	12.69	13.00	13.68	14.05	14.82
27	14.32	14.63	14.31	14.48	14.89	13.71	12.78	12.68	13.04	13.76	14.06	14.85
28	14.32	14.63	14.28	14.52	14.86	13.70	12.76	12.68	13.05	13.90	14.06	14.85
29	14.29	14.67	14.30	14.52	------	13.67	12.73	12.67	13.04	13.98	14.11	14.87
30	14.28	14.65	14.31	14.52	------	13.65	12.66	12.62	13.00	13.86	14.16	14.90
31	14.25	------	14.31	14.52	------	13.62	------	12.56	------	13.72	14.32	------
MEAN	14.45	14.51	14.48	14.41	14.63	14.12	13.16	12.66	12.88	13.20	13.93	14.77
MAX	14.65	14.68	14.66	14.52	14.96	14.80	13.60	12.85	13.15	13.98	14.32	14.99
MIN	14.25	14.12	14.28	14.33	14.52	13.62	12.66	12.32	12.46	12.80	13.75	14.50

CAL YR 1972 MEAN 14.44 MAX 15.04 MIN 13.32
WTR YR 1973 MEAN 13.93 MAX 14.99 MIN 12.32

02277960 Intracoastal Waterway at Blue Heron Blvd. at Riviera Beach, Fla.

LOCATION.--Lat 26°46'59", long 82°02'39", in SW quarter sec.27, T.42 S., R.43 E., Palm Beach County, on sea wall, 100 ft (30.5 m) south of bridge on Blue Heron Blvd. at southwest end of Blue Heron Pier. Prior to Jan. 1, 1973 on sea wall, 100 ft (30.5 m) north of bridge on Blue Heron Blvd. at west end of Phil Foster Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 3.26 ft (0.944 m) Oct. 23; minimum, -2.24 ft (-0.683 m) June 1.
Period of record: Maximum gage height, 3.31 ft (1.009 m) Nov. 5, 1971; minimum, -2.25 ft (-0.686 m) May 26, 1971 (estimated).

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway. The stage published is the maximum and minimum tide event for each calendar day.

WATER TEMPERATURE (°C).--Dec. 26 (1040) 22.0°; Jan. 28 (1215) 26.0°; Feb. 21 (1030) 20.0°; Mar. 19 (1000) 22.5°; Apr. 17 (0935) 28.0°; May 14 (0940) 31.0°; Aug. 15 (1110) 29.0°; Sept. 13 (0940) 28.0°.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	2.06	1.63	1.66	1.87	1.97	2.23	2.13	2.23	2.11	2.14	1.83
2	1.87	2.26	1.84	1.76	1.79	2.22	2.50	2.24	2.35	2.19	2.01	1.65
3	2.27	2.20	1.99	2.19	1.75	2.02	2.68	2.34	2.16	1.97	1.85	1.59
4	2.35	2.14	1.98	1.90	1.99	2.24	2.30	2.47	2.14	1.80	1.56	1.50
5	2.54	2.20	1.89	1.95	1.65	2.35	1.96	2.29	2.03	1.90	1.27	1.38
6	2.89	2.17	1.66	2.02	1.48	2.27	2.00	2.10	1.79	1.61	1.26	1.38
7	2.98	2.49	1.43	1.94	1.58	2.50	2.05	2.10	1.55	1.30	1.30	1.65
8	2.90	2.28	1.49	1.95	1.63	2.12	1.79	1.87	1.59	1.57	1.39	1.94
9	2.66	2.30	1.42	2.17	1.76	1.93	1.75	1.75	1.56	1.70	1.52	2.11
10	2.25	2.26	1.49	2.35	2.00	1.95	1.52	1.57	1.59	1.60	1.77	2.19
11	2.21	2.05	1.41	2.34	1.97	1.92	1.13	1.63	1.53	1.87	1.65	2.33
12	2.28	1.91	1.23	2.69	2.37	1.72	1.32	1.65	1.64	1.41	1.57	2.40
13	2.30	2.20	1.05	2.54	2.48	1.60	1.19	1.66	1.73	1.34	1.59	2.42
14	1.93	2.04	1.10	2.52	2.65	1.83	1.41	1.56	1.67	1.34	1.76	2.15
15	1.68	1.98	1.73	2.63	2.59	2.04	1.40	1.42	1.80	1.47	1.68	2.29
16	1.86	2.20	1.89	2.44	2.46	2.07	1.49	1.74	1.65	1.90	1.71	2.36
17	1.86	2.53	2.24	2.53	2.46	2.18	1.93	1.83	1.53	1.96	1.81	2.30
18	1.74	2.85	2.79	2.69	2.42	2.19	2.15	1.77	1.52	2.01	2.01	2.31
19	1.84	2.98	2.91	2.66	2.51	2.42	2.09	1.67	1.38	2.12	2.07	2.34
20	2.17	2.91	2.67	2.46	2.40	2.25	2.17	1.68	1.37	2.11	2.04	2.22
21	2.86	2.74	2.96	2.60	2.29	2.00	1.78	1.67	1.26	1.90	2.09	2.14
22	3.25	2.87	2.56	2.15	2.29	1.95	1.58	1.82	1.01	1.76	2.14	2.38
23	3.26	2.89	2.23	1.74	2.14	1.96	1.53	1.75	1.18	1.63	2.17	2.55
24	3.20	2.74	1.88	1.67	1.80	2.13	1.61	1.50	1.38	1.60	2.33	2.65
25	2.99	2.76	1.93	1.58	1.59	2.19	1.66	1.47	1.55	1.85	2.48	2.64
26	2.92	1.97	1.89	1.50	1.55	2.03	1.51	1.54	1.87	2.27	2.36	2.56
27	2.53	1.54	1.71	1.58	1.55	1.74	1.57	1.75	1.88	2.45	2.30	2.67
28	2.14	1.30	1.94	1.55	1.60	1.84	1.69	1.73	2.14	2.44	2.32	2.46
29	2.02	1.43	1.78	1.45	------	2.12	1.83	1.82	2.04	2.46	2.20	2.47
30	2.02	1.33	1.71	1.34	------	2.02	1.99	2.11	2.11	2.44	2.23	2.20
31	2.00	------	1.80	1.72	------	2.15	------	2.31	------	2.33	2.10	------
MEAN	2.39	2.25	1.88	2.07	2.02	2.06	1.79	1.84	1.71	1.88	1.89	2.17
MAX	3.26	2.98	2.96	2.69	2.65	2.50	2.68	2.47	2.35	2.46	2.48	2.67
MIN	1.68	1.30	1.05	1.34	1.48	1.60	1.13	1.42	1.01	1.30	1.26	1.38

CAL YR 1972 MEAN 1.94 MAX 3.26 MIN .78
WTR YR 1973 MEAN 2.00 MAX 3.26 MIN 1.01

02277960 Intracoastal Waterway at Blue Heron Blvd. at Riviera Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.70	-.63	-1.02	-.98	-.98	-.43	-.80	-1.73	-2.24	-2.20	-1.24	-1.35
2	-.81	-.68	-1.01	-1.15	-1.24	-.70	-.95	-1.98	-2.12	-1.84	-1.32	-1.14
3	-.67	-.76	-1.05	-.98	-1.28	-.96	-1.09	-2.03	-2.06	-1.79	-1.27	-.97
4	-.51	-.94	-1.11	-1.04	-1.38	-.95	-1.59	-1.98	-1.93	-1.77	-1.27	-.80
5	-.49	-1.11	-1.08	-1.36	-1.56	-1.15	-1.93	-1.83	-1.62	-1.57	-1.26	-.68
6	-.38	-1.10	-1.37	-1.24	-1.71	-1.30	-1.70	-1.76	-1.49	-1.36	-1.23	-.77
7	-.36	-.72	-1.63	-1.25	-1.56	-1.21	-1.19	-1.62	-1.30	-1.47	-1.09	-.58
8	-.16	-.71	-1.36	-1.03	-1.28	-1.35	-1.27	-1.30	-1.29	-1.23	-.95	-.40
9	-.35	-.51	-1.31	-.76	-1.15	-1.47	-1.25	-1.12	-1.30	-1.03	-1.06	-.48
10	-.60	-.42	-1.26	-.30	-1.10	-1.41	-1.39	-1.22	-1.25	-1.08	-.76	-.66
11	-.51	-.49	-1.13	-.26	-.53	-1.24	-1.32	-1.16	-1.32	-.92	-1.07	-.59
12	-.24	-.44	-1.11	-.31	-.54	-1.35	-1.41	-1.37	-1.30	-1.34	-1.33	-.58
13	-.05	-.12	-1.37	-.48	-.80	-1.22	-1.54	-1.43	-1.28	-1.55	-1.38	-.72
14	-.11	-.23	-1.24	-.67	-.86	-1.22	-1.55	-1.52	-1.32	-1.50	-1.23	-1.06
15	-.41	-.40	-1.29	-1.29	-1.04	-1.09	-1.60	-1.78	-1.28	-1.44	-1.24	-1.10
16	-.25	-.41	-1.24	-1.37	-1.21	-1.14	-1.75	-1.67	-1.36	-1.15	-1.22	-1.09
17	-.49	-.73	-1.27	-1.47	-1.31	-1.28	-1.60	-1.31	-1.39	-.90	-1.25	-.95
18	-.93	-1.00	-1.42	-1.43	-1.26	-1.26	-1.27	-1.24	-1.22	-.89	-.99	-.95
19	-1.09	-1.43	-1.53	-1.53	-.97	-1.18	-1.13	-1.30	-1.34	-.54	-.93	-.76
20	-1.24	-1.45	-1.78	-1.49	-.70	-1.09	-.92	-1.06	-1.34	-.65	-.88	-.76
21	-.94	-1.78	-1.58	-1.29	-.54	-1.12	-.87	-.86	-1.45	-.86	-.90	-.88
22	-.89	-1.62	-1.43	-1.14	-.56	-1.12	-.89	-.64	-1.51	-.95	-.90	-.85
23	-.99	-1.43	-1.43	-1.20	-.63	-.80	-.82	-.73	-1.39	-1.23	-.96	-.74
24	-1.18	-1.17	-1.72	-1.05	-.55	-.37	-.42	-.81	-1.37	-1.35	-1.11	-.73
25	-1.21	-.77	-1.18	-1.07	-.59	-.11	-.51	-.83	-1.41	-1.49	-1.05	-.94
26	-1.02	-1.01	-.74	-.81	-.67	-.19	-.57	-.93	-1.62	-1.42	-1.39	-.87
27	-.86	-1.29	-.64	-.75	-.49	-.22	-.55	-1.04	-1.76	-1.44	-1.49	-.94
28	-.86	-1.10	-.78	-.96	-.49	-.12	-.80	-1.39	-1.81	-1.55	-1.49	-1.05
29	-.82	-1.19	-.69	-1.15	------	-.33	-1.08	-1.76	-2.17	-1.70	-1.35	-.86
30	-.51	-1.13	-.82	-1.03	------	-.38	-1.41	-1.89	-2.21	-1.52	-1.35	-.68
31	-.60	------	-1.03	-1.03	------	-.50	------	-1.95	------	-1.38	-1.20	------
MEAN	-.65	-.89	-1.21	-1.03	-.96	-.91	-1.17	-1.39	-1.55	-1.33	-1.17	-.83
MAX	-.05	-.12	-.64	-.26	-.49	-.11	-.42	-.64	-1.22	-.54	-.76	-.40
MIN	-1.24	-1.78	-1.78	-1.53	-1.71	-1.47	-1.93	-2.03	-2.24	-2.20	-1.49	-1.35

CAL YR 1972 MEAN -1.09 MAX -.05 MIN -2.05
WTR YR 1973 MEAN -1.09 MAX -.05 MIN -2.24

02277994 Intracoastal Waterway at Southern Blvd. at Palm Beach, Fla.

LOCATION.--Lat 26°40'30", long 80°02'45", in SE quarter sec.34, T.43 S., R.43 E., Palm Beach County, on sea wall at south side of bridge on Southern Blvd. at west end at Bingham Island in Palm Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1971 to January 1973, discontinued.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period October 1972 to January 1973, 3.21 ft (0.978 m) Oct. 22; minimum, -1.31 ft (-0.399 m) Dec. 7.
Period of record: Maximum gage height, 3.37 ft (1.027 m) Nov. 5, 1971; minimum, -1.70 ft (-0.518 m) Apr. 16, 1972.

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	2.08	1.61	1.65								
2	1.99	2.26	1.86	1.79								
3	2.32	2.17	2.00	2.20								
4	2.39	2.10	2.00	1.86								
5	2.59	2.12	1.89	1.89								
6	2.96	2.07	1.62	1.95								
7	3.03	2.62	1.41	1.89								
8	3.01	2.37	1.53	1.89								
9	2.72	2.36	1.42	2.20								
10	2.30	2.25	1.52	2.36								
11	2.29	2.08	1.42	2.45								
12	2.34	2.02	1.28	2.74								
13	2.43	2.24	1.10	2.62								
14	2.04	2.12	1.17	2.58								
15	1.85	2.11	1.75	2.60								
16	2.02	2.32	1.92	2.37								
17	1.96	2.52	2.24	2.45								
18	1.82	2.81	2.75	2.56								
19	1.87	2.95	2.82	2.57								
20	2.21	2.82	2.54	2.32								
21	2.84	2.63	2.62	2.49								
22	3.21	2.77	2.46	1.98								
23	3.18	2.82	2.16	1.73								
24	3.09	2.73	1.77	1.68								
25	2.93	2.71	1.86	1.59								
26	2.80	2.04	1.88	1.56								
27	2.44	1.55	1.79	1.56								
28	2.09	1.32	1.97	1.61								
29	2.04	1.51	1.79	1.63	------							
30	2.07	1.35	1.77	1.45	------							
31	1.97	------	1.75	1.80	------	------		------				------
MEAN	2.42	2.26	1.86	2.07								
MAX	3.21	2.95	2.82	2.74								
MIN	1.82	1.32	1.10	1.45								

CAL YR 1972 MEAN 1.96 MAX 3.21 MIN 1.02

02277994 Intracoastal Waterway at Southern Blvd. at Palm Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.48	-.41	-.90	-.86								
2	-.53	-.43	-.80	-.90								
3	-.40	-.56	-.80	-.73								
4	-.26	-.70	-.84	-.79								
5	-.19	-.85	-.85	-1.03								
6	-.06	-.86	-1.08	-.92								
7	-.01	-.49	-1.31	-.92								
8	.12	-.38	-1.08	-.76								
9	-.07	-.27	-1.07	-.53								
10	-.35	-.32	-1.00	-.11								
11	-.29	-.38	-.87	.00								
12	-.07	-.33	-.88	-.07								
13	.10	-.06	-1.06	-.30								
14	.00	-.13	-.95	-.43								
15	-.28	-.21	-.95	-.14								
16	-.14	-.25	-.37	-.91								
17	-.33	-.40	-.69	-1.02								
18	-.48	-.44	-.78	-.99								
19	-.63	-.63	-1.00	-1.00								
20	-.84	-.93	-1.18	-.97								
21	-.49	-1.13	-1.07	-.81								
22	-.45	-1.07	-.95	-.85								
23	-.53	-.87	-.97	-.85								
24	-.67	-.71	-1.24	-.76								
25	-.75	-.44	-.85	-.80								
26	-.61	-.70	-.55	-.66								
27	-.61	-.98	-.44	-.66								
28	-.65	-.88	-.59	-.45								
29	-.58	-.98	-.55	-.55	------							
30	-.35	-.67	-.21	-.65	------							
31	-.42	------	-.65	-.58	------		------		------			------
MEAN	-.36	-.58	-.86	-.68								
MAX	.12	-.06	-.21	0								
MIN	-.84	-1.13	-1.31	-1.03								

CAL YR 1972 MEAN -.79 MAX .12 MIN -1.70

02278000 West Palm Beach Canal at HGS-5, at Canal Point, Fla.

LOCATION.--Lat 26°51'50", long 80°37'55", in NE quarter sec.33, T.41 S., R.37 E., Palm Beach County, on right bank in hurricane gate structure 5 at Lake Okeechobee, 200 ft (61 m) upstream from bridge on U. S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder and gate-opening indicator. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Jan. 14, 1954, nonrecording gage at site 550 ft (168 m) downstream at same datum. Jan. 14, 1954, to Feb. 24, 1956, water-stage recorder, and Feb. 25, 1956, to Sept. 30, 1967, water-stage and deflection-meter recorders all at present site and datum. Since May 1940, auxiliary water-stage recorder below old lock and dam, 700 ft (213 m) downstream.

AVERAGE DISCHARGE.--33 years (1940-73), 169 cfs (4.78 cu m/s), 122,400 acre-ft/yr (151 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 693 cfs (19.6 cu m/s) Apr. 24; maximum gage height, 14.85 ft (4.526 m) Sept. 10; no flow for many days; maximum daily reverse flow, 4.4 cfs (0.12 cu m/s) Nov. 14; minimum gage height, 11.58 ft (3.530 m) May 29.
Period of record: Maximum daily discharge, 1,610 cfs (45.6 cu m/s) Oct. 2, 1959; maximum gage height observed, 18.54 ft (5.651 m) Oct. 23, 1947, at former site; maximum daily reverse flow, 1,760 cfs (49.8 cu m/s) June 15, 1942; minimum gage height observed, 8.48 ft (2.585 m) June 15-17, 1952, at former site.

REMARKS.--Records fair. Flow regulated at station by operation of hurricane gates. Flow occasionally reversed after periods of considerable rainfall because of downstream natural drainage and pumpage from agricultural lands in the Everglades (negative figures indicate flow reversed). Discharge computed from relations between discharge, head, and gate openings at hurricane gate structure 5. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

COOPERATION.--Gate record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	439	77	0	0	188	378	394	0			
2	355	442	193	0	0	186	255	627	0			
3	577	432	186	0	0	190	250	629	0			
4	332	452	175	106	0	193	371	649	0			
5	0	455	166	180	0	193	417	632	71			
6	0	406	167	178	0	241	444	608	261			
7	0	269	174	173	0	353	499	600	179			
8	0	0	179	129	0	416	493	607	0			
9	193	240	195	89	0	300	471	573	0			
10	435	370	182	100	0	0	506	251	0			
11	493	345	179	42	0	0	496	84	61			
12	406	332	270	0	0	0	480	298	205			
13	339	125	381	0	0	0	581	395	211			
14	347	-4.4	385	0	0	163	612	448	205			
15	353	0	365	0	0	363	540	391	207			
16	363	0	136	79	0	426	548	373	238			
17	379	0	0	133	0	453	549	389	221			
18	465	0	0	133	99	377	563	404	107			
19	508	0	80	137	93	365	569	414	0			
20	464	0	253	134	0	403	558	422	0			
21	393	0	290	128	0	456	547	460	0			
22	393	0	72	130	130	141	543	546	0			
23	418	0	0	30	194	195	594	572	0			
24	439	0	0	0	175	293	693	539	0			
25	435	0	0	0	160	282	652	382	0			
26	433	0	0	0	59	97	579	312	0			
27	435	0	50	0	0	0	529	319	0			
28	439	0	246	0	122	0	599	310	0			
29	426	0	193	0	------	0	574	328	0			
30	426	0	0	110	------	0	521	274	0			
31	445	------	0	141	------	0	------	63	------			------
TOTAL	10,938	4,302.6	4,584	2,152	1,032	6,274	15,411	13,293	1,966	0	0	0
MEAN	353	143	148	69.4	36.9	202	514	429	65.5	0	0	0
MAX	577	455	385	180	194	456	693	649	261	0	0	0
MIN	0	-4.4	0	0	0	0	250	63	0	0	0	0
AC-FT	21,700	8,530	9,090	4,270	2,050	12,440	30,570	26,370	3,900	0	0	0

CAL YR 1972 TOTAL 49,464.60 MEAN 135 MAX 712 MIN -4.4 AC-FT 98,110
WTR YR 1973 TOTAL 59,952.60 MEAN 164 MAX 693 MIN -4.4 AC-FT 118,900

02278000 West Palm Beach Canal at HGS-5, at Canal Point, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.60	12.81	12.89	12.56	12.56	12.82	12.92	12.49	12.26	12.31	13.12	13.86
2	13.53	12.81	12.75	12.56	12.63	12.82	12.98	12.45	12.26	12.29	13.13	13.89
3	13.50	12.82	12.74	12.55	12.96	12.83	12.90	12.46	12.17	12.30	13.18	13.93
4	13.53	12.80	12.74	12.56	12.78	12.81	13.00	12.53	12.12	12.31	13.21	13.99
5	13.57	12.79	12.71	12.55	12.67	12.82	13.07	12.46	12.11	12.32	13.25	14.00
6	13.64	12.73	12.72	12.56	12.65	12.79	12.93	12.36	12.08	12.35	13.30	14.03
7	13.74	12.74	12.72	12.55	12.68	12.79	12.81	12.29	12.14	12.37	13.31	14.09
8	13.55	12.83	12.69	12.55	12.68	12.73	13.02	12.23	12.18	12.35	13.34	14.09
9	13.47	12.79	12.68	12.56	12.59	12.77	13.09	12.33	12.23	12.40	13.37	14.15
10	13.38	12.71	12.67	12.57	13.38	12.77	13.24	12.54	12.23	12.37	13.38	14.27
11	13.28	12.72	12.63	12.60	13.15	12.77	13.15	12.55	12.21	12.39	13.40	14.37
12	13.29	12.71	12.60	12.88	12.84	12.84	13.02	12.47	12.16	12.40	13.39	14.25
13	13.33	12.64	12.60	12.75	12.74	12.80	13.00	12.46	12.17	12.44	13.40	14.26
14	13.29	12.75	12.57	12.62	12.73	12.74	12.95	12.51	12.22	12.47	13.47	14.31
15	13.31	12.88	12.61	12.56	12.86	12.72	12.79	12.53	12.20	12.56	13.54	14.33
16	13.29	12.93	12.96	12.54	13.01	12.76	12.82	12.63	12.19	12.59	13.54	14.32
17	13.25	12.86	12.87	12.49	12.93	13.16	12.79	12.63	12.18	12.57	13.54	14.32
18	13.21	12.74	12.54	12.52	12.81	12.93	12.81	12.55	12.21	12.59	13.54	14.32
19	13.19	12.73	12.53	12.54	12.83	12.76	12.82	12.53	12.13	12.59	13.60	14.32
20	13.12	12.84	12.52	12.54	12.96	12.74	12.81	12.53	12.14	12.59	13.63	14.32
21	13.01	12.86	12.44	12.44	12.96	12.94	12.73	12.47	12.19	12.58	13.66	14.32
22	13.00	12.92	12.58	12.51	12.90	12.80	12.71	12.45	12.21	12.62	13.70	14.33
23	13.04	12.88	12.70	12.59	12.86	12.69	12.75	12.41	12.31	12.69	13.70	14.34
24	13.05	12.80	12.66	12.63	12.85	12.58	12.71	12.34	12.32	12.76	13.68	14.33
25	13.04	12.69	12.73	12.57	12.82	12.53	12.67	12.38	12.30	12.84	13.75	14.34
26	12.99	12.88	12.78	12.54	12.86	13.11	12.66	12.33	12.32	12.91	13.84	14.34
27	12.94	12.77	12.78	12.61	12.89	13.02	12.81	12.31	12.35	12.95	13.83	14.36
28	12.98	12.76	12.58	12.78	12.87	12.87	12.95	12.26	12.35	12.96	13.88	14.35
29	13.00	12.77	12.54	13.09	------	12.86	12.76	12.25	12.37	12.99	13.79	14.34
30	12.93	12.79	12.54	12.71	------	12.87	12.58	12.24	12.34	13.01	13.82	14.34
31	12.88	------	12.55	12.59	------	12.86	------	12.27	------	13.03	13.80	------
MEAN	13.26	12.79	12.67	12.60	12.84	12.82	12.88	12.43	12.22	12.58	13.52	14.23
MAX	13.74	12.93	12.96	13.09	13.38	13.16	13.24	12.63	12.37	13.03	13.88	14.37
MIN	12.88	12.64	12.44	12.44	12.56	12.53	12.58	12.23	12.08	12.29	13.12	13.86

CAL YR 1972 MEAN 13.36 MAX 14.47 MIN 12.44
WTR YR 1973 MEAN 12.90 MAX 14.37 MIN 12.08

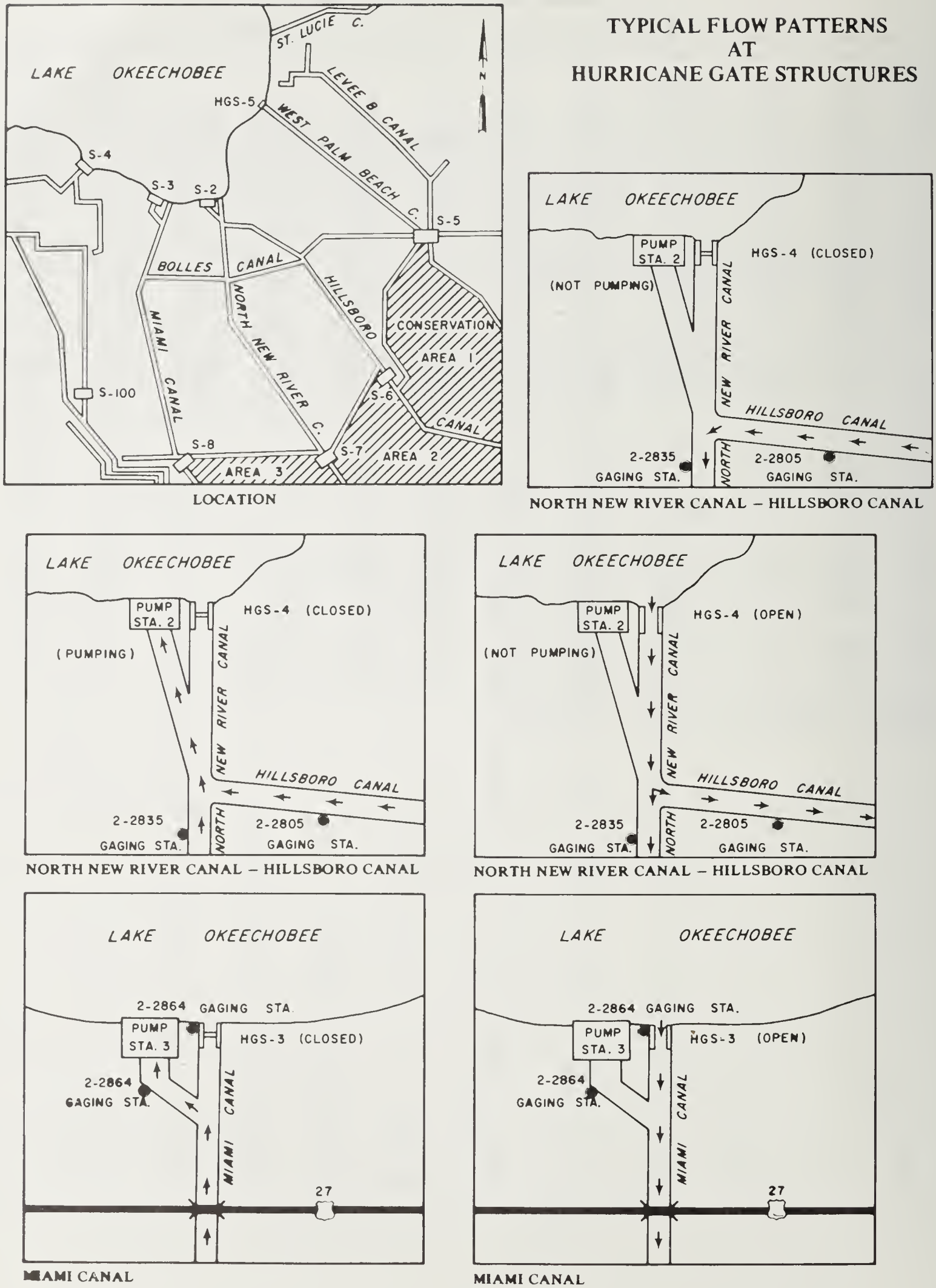


Figure 3. Typical flow patterns at Hurricane Gate Structures.

02278002 West Palm Beach Canal below HGS-5 at Canal Point, Fla.

LOCATION.--Lat 26°51'45", long 80°37'50", in NE quarter sec.33, T.41 S., R.37 E., Palm Beach County, at downstream end of old lock chamber wall, 500 ft (152 m) downstream from bridge on U. S. Highway 441 at Canal Point.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1940 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to June 30, 1940, nonrecording gage at same site at datum 1.21 ft (0.369 m) lower.

EXTREMES.--Current year: Maximum gage height, 13.15 ft (4.008 m) Aug. 15; minimum, 9.24 ft (2.816 m) Sept. 15.
Period of record: Maximum gage height, 18.70 ft (5.700 m) Oct. 12, 1947; minimum, 8.49 ft (2.588 m) June 16, 1952.

REMARKS.--Water level materially affected by operation of hurricane gate structure No.5, 700 ft (213 m) upstream and pumping at structures 5-A, 20 mi (32.2 km) downstream, and to a lesser degree by local pumping and drainage for agricultural purposes.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.45	11.78	11.04	11.10	12.18	11.40	11.01	12.05	11.20	10.95	11.21	11.46
2	11.43	11.75	11.22	11.03	11.92	11.42	10.99	12.00	11.51	11.02	10.38	11.47
3	11.96	11.83	11.32	10.91	11.06	11.37	11.28	12.01	11.24	11.58	11.71	11.48
4	12.06	11.71	11.48	10.99	11.30	11.30	11.46	12.06	11.29	11.14	10.75	11.27
5	10.95	11.68	11.57	11.16	11.80	11.31	11.15	12.01	11.13	10.44	10.42	11.41
6	11.55	11.85	11.56	11.21	12.12	11.39	11.13	11.93	11.16	10.69	10.08	11.30
7	11.61	11.93	11.48	11.27	12.21	11.68	11.46	11.87	11.27	11.05	10.30	11.05
8	11.41	11.48	11.37	11.31	12.10	11.78	11.75	11.85	11.47	11.13	10.78	11.35
9	11.37	10.97	11.26	11.28	11.90	11.74	11.95	12.01	11.52	10.93	10.42	11.84
10	11.77	11.12	11.29	10.94	11.89	11.50	11.96	12.07	10.62	10.94	11.30	11.92
11	12.07	11.35	11.29	11.32	11.16	11.28	11.90	11.34	11.19	10.95	9.38	11.96
12	12.28	11.44	11.28	10.73	11.04	11.24	11.82	11.37	11.61	10.39	10.22	11.60
13	12.13	11.57	11.45	10.96	11.29	11.10	11.76	11.29	11.58	10.92	10.89	11.33
14	12.03	12.27	11.73	10.92	11.09	11.01	11.83	11.36	11.66	11.28	10.90	11.34
15	11.98	11.93	11.85	11.19	11.11	11.50	11.88	11.65	11.64	10.85	12.02	10.13
16	11.88	10.73	11.89	11.50	11.12	11.76	11.89	11.85	11.44	11.43	10.59	10.91
17	11.71	11.06	11.15	11.73	10.85	12.11	11.86	11.78	11.54	11.14	10.70	11.82
18	11.74	10.68	10.94	11.76	10.84	12.18	11.83	11.62	11.43	11.62	10.25	11.43
19	11.90	10.65	10.93	11.75	11.11	12.03	11.83	11.55	10.56	11.43	10.70	11.36
20	12.04	11.58	11.00	11.76	10.67	11.85	11.85	11.51	11.31	10.65	11.05	11.15
21	12.22	12.02	11.37	11.73	10.87	11.84	11.79	11.50	10.51	10.99	10.85	11.30
22	12.21	11.91	12.02	11.78	11.01	11.72	11.78	11.57	10.47	11.92	10.65	11.91
23	12.15	11.85	10.88	12.31	11.36	11.35	11.78	11.69	10.49	12.43	10.95	10.99
24	12.05	11.72	11.18	12.04	11.62	11.54	11.91	11.69	10.47	12.22	10.85	10.51
25	12.06	11.69	11.39	11.86	11.79	11.56	12.05	11.83	10.46	11.16	10.95	11.37
26	12.02	12.10	11.54	11.67	11.77	11.42	12.17	11.51	10.58	10.58	10.75	11.23
27	11.95	10.86	11.33	11.57	11.43	10.91	12.36	11.45	11.19	10.50	10.60	11.20
28	11.96	11.02	11.36	12.02	11.26	11.20	12.45	11.43	11.33	10.33	10.40	10.92
29	12.03	11.24	11.60	10.91	------	11.26	12.28	11.32	11.33	11.18	10.55	10.87
30	11.96	11.17	11.47	11.20	------	11.24	12.17	11.57	11.13	10.90	10.70	11.34
31	11.84	------	11.27	11.74	------	11.13	------	11.80	------	10.44	10.70	------
MEAN	11.86	11.50	11.37	11.41	11.42	11.49	11.78	11.69	11.14	11.07	10.71	11.31
MAX	12.28	12.27	12.02	12.31	12.21	12.18	12.45	12.07	11.66	12.43	12.02	11.96
MIN	10.95	10.65	10.88	10.73	10.67	10.91	10.99	11.29	10.46	10.33	9.38	10.13

CAL YR 1972 MEAN 11.61 MAX 12.78 MIN 10.27
WTR YR 1973 MEAN 11.40 MAX 12.45 MIN 9.38

02278450 West Palm Beach Canal above S-5A, near Loxahatchee, Fla.

LOCATION.--Lat 26°41'05", long 80°22'15", in SW quarter sec.32, T.43 S., R.43 E., Palm Beach County, near south bank 500 ft (152 m) upstream from pump station S-5A, 0.3 mi (0.5 km) upstream from Levee 8 Canal, 1.1 mi (1.8 km) downstream from bridge on U. S. Highway 441 and Cross Canal, and 6 mi (10 km) west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Dual water-stage recorder, gate opening indicator, and pump tachometer. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Sept. 30, 1967, deflection-meter recorder at same site and auxiliary water stage recorder at control structure 5A-W, 0.3 mi (0.5 km) downstream at same datum.

AVERAGE DISCHARGE.--16 years, 347 cfs (9.827 cu m/s), 327,200 acre-ft/yr (403 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 3,080 cfs (87.2 cu m/s) July 24; maximum gage height, 12.92 ft (3.938 m) Aug. 15; maximum daily reverse flow, 185 cfs (5.24 cu m/s) July 21; minimum gage height, 9.25 ft (2.819 m) Sept. 14, 15.
. Period of record: Maximum daily discharge, 5,230 cfs (148 cu m/s) Mar. 27, 1970; maximum gage height, 14.02 ft (4.273 m) Oct. 3, 1957; maximum daily reverse flow, 775 cfs (22.0 cu m/s) Oct. 26, 1968; minimum gage height, 8.21 ft (2.502 m) Aug. 5, 1965.

REMARKS.--Records good. Flow regulated primarily by pumpage at S-5A and to a lesser extent by operation of control structure 5A-W. Major regulation above the station occurs in Cross Canal, 1.5 mi (2.4 km) upstream, and at hurricane gate structure 5 at Lake Okeechobee, 20 mi (32 km) upstream. Discharge is the difference between pumpage at S-5A and gate discharge at S-5A-W. See records on Diversions to Conservation Area No. 1 at S-5A and S-5A-S, near Loxahatchee (station 02278500; pump station S-5A, upper), for table of daily gage height.

COOPERATION.--Gate opening and pump records furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	58	147	105	148	134	44	257	1,130	-10	1,680	329
2	15	123	94	55	752	115	110	266	795	46	566	659
3	145	93	154	-18	552	82	61	272	691	773	1,530	548
4	1,120	96	171	51	132	37	70	298	590	961	1,770	619
5	488	102	170	94	106	111	105	280	420	973	1,700	477
6	131	173	124	121	164	112	141	259	172	128	1,200	534
7	110	141	75	131	148	128	138	265	603	612	638	529
8	40	512	77	112	74	171	184	257	909	-73	1,190	-95
9	77	136	37	80	113	216	215	239	989	490	633	-87
10	81	123	75	-4.4	167	658	191	167	297	471	1,580	198
11	151	148	38	982	122	152	177	63	90	942	935	119
12	179	123	61	744	80	126	140	93	112	295	244	674
13	47	170	74	105	80	116	204	88	32	494	666	-38
14	45	541	151	79	117	135	214	90	102	159	109	387
15	9.1	1,390	174	135	162	146	234	165	88	211	2,380	-97
16	-39	556	93	156	121	185	279	100	109	532	1,790	-35
17	-63	124	53	151	108	169	294	108	173	460	533	464
18	-28	1.1	31	121	102	194	286	162	890	451	800	795
19	103	100	73	135	619	172	264	169	491	344	-9.8	481
20	2.9	122	79	149	111	159	284	184	1,050	363	1,530	454
21	40	119	83	127	82	273	253	179	1,330	-185	1,160	573
22	80	27	1,200	158	72	272	256	153	1,220	1,490	162	867
23	65	44	672	375	109	225	263	166	1,220	2,980	688	1,030
24	-3.4	7.0	-12	666	117	231	283	241	1,120	3,080	368	507
25	14	143	31	143	103	258	310	253	829	2,240	692	413
26	3.4	1,040	68	74	73	1,130	310	175	340	1,710	578	269
27	104	436	66	81	11	192	331	190	270	1,510	500	112
28	73	151	92	572	91	132	324	125	147	792	315	294
29	63	177	74	815	------	151	266	132	444	1,150	222	-26
30	-8.2	136	70	150	------	113	255	95	64	1,710	404	-57
31	46	------	85	154	------	40	------	1,130	------	721	1,150	------
TOTAL	3,101.8	7,112.1	4,380	6,798.6	4,636	6,335	6,486	6,621	16,717	25,820	27,703.2	10,897
MEAN	100	237	141	219	166	204	216	214	557	833	894	363
MAX	1,120	1,390	1,200	982	752	1,130	331	1,130	1,330	3,080	2,380	1,030
MIN	-63	1.1	-12	-18	11	37	44	63	32	-185	-9.8	-97

CAL YR 1972 TOTAL 90,328.00 MEAN 247 MAX 2,400 MIN -206
WTR YR 1973 TOTAL 126,607.70 MEAN 347 MAX 3,080 MIN -185

NOTE.--Negative figures indicate reverse flow to west.

02278500 Diversions to Conservation Area No. 1 at S-5A and S-5A-S, near Loxahatchee, Fla.

LOCATION.--Lat 26°41'00", long 80°22'10", in S half sec.32, T.43 S., R.40 E., Palm Beach County, at pump station S-5A, 1.5 mi (2.4 km) downstream from Cross Canal and 6 mi (9.7 km) west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Dual water-stage recorder, gate opening indicator, and pump tachometer. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Sept. 30, 1967, auxiliary deflection-meter recorders 500 ft (152 m) upstream and in Levee 8 Canal, and auxiliary water-stage recorders above S-5A-W and below S-5A-E.

AVERAGE DISCHARGE.--16 years, 389 cfs (11.02 cu m/s), 281,600 acre-ft/yr (347 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 3,350 cfs (94.9 cu m/s) July 24; maximum gage height, 12.92 ft (3.938 m) Aug. 15; no flow for many days; minimum gage height, 9.25 ft (2.819 m) Sept. 14, 15.

Period of record: Maximum daily discharge, 7,040 cfs (199 cu m/s) Mar. 28, 1970; maximum gage height, 14.02 ft (4.273 m) Oct. 3, 1957; maximum daily reverse flow, 1,180 cfs (33.4 cu m/s) May 25, 1964; no flow for many days each year; minimum gage height, 8.21 ft (2.502 m) Aug. 5, 1965.

REMARKS.--Records good. Normal flow is considered as that to the south into Conservation Area No. 1. Flow is controlled by S-5A pumpage, syphoning and regulation of Cross Canal, 1.5 mi (2.4 km) upstream, and hurricane gate structure 5, 20 mi (32 km) upstream.

COOPERATION.--Gate opening and pump records furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0		0	1,120	0	1,820	474
2	0	0	0	0	752	0		0	719	0	672	919
3	0	0	0	0	519	0		0	709	781	1,710	795
4	945	0	0	0	0	0		0	536	1,000	1,840	859
5	452	0	0	0	0	0		0	364	918	1,660	682
6	0	0	0	0	0	0		0	196	84	1,160	738
7	0	0	0	0	0	0		0	629	641	560	727
8	0	413	0	0	0	0		0	809	0	1,140	0
9	0	0	0	0	0	0		0	1,040	520	546	0
10	0	0	0	0	0	557		0	272	522	1,800	289
11	0	0	0	919	0	0		0	0	1,160	1,240	228
12	0	0	0	630	0	0		0	0	549	419	819
13	0	0	0	0	0	0		0	0	740	912	0
14	0	321	0	0	0	0		0	0	380	187	482
15	0	1,390	0	0	0	0		0	0	328	2,550	127
16	0	448	0	0	0	0		0	0	756	1,990	0
17	0	0	0	0	0	0		0	0	663	583	552
18	0	0	0	0	0	0		0	810	688	944	952
19	0	0	0	0	577	0		0	309	585	0	600
20	0	0	0	0	0	0		0	997	565	1,700	581
21	0	0	0	0	0	0		0	1,270	0	1,280	632
22	0	0	1,220	0	0	0		0	1,100	1,730	261	899
23	0	0	622	223	0	0		0	1,140	3,280	767	1,110
24	0	0	0	562	0	0		0	1,030	3,350	432	580
25	0	0	0	0	0	0		0	698	2,450	858	516
26	0	923	0	0	0	1,050		0	240	1,900	760	335
27	0	350	0	0	0	61		0	233	1,720	646	147
28	0	0	0	438	0	0		0	0	1,020	464	443
29	0	0	0	725	------	0		0	389	1,340	326	0
30	0	0	0	0	------	0		0	0	1,910	515	0
31	0	------	0	0	------	0	------	1,100	------	932	1,270	------
TOTAL	1,397	3,845	1,842	3,497	1,848	1,668	0	1,100	14,610	30,512	31,012	14,486
MEAN	45.1	128	59.4	113	66.0	53.8	0	35.5	487	984	1,000	483
MAX	945	1,390	1,220	919	752	1,050	0	1,100	1,270	3,350	2,550	1,110
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	2,770	7,630	3,650	6,940	3,670	3,310	0	2,180	28,980	60,520	61,510	28,730

CAL YR 1972 TOTAL 77,465.00 MEAN 212 MAX 3,240 MIN 0 AC-FT 153,700
WTR YR 1973 TOTAL 105,817.00 MEAN 290 MAX 3,350 MIN 0 AC-FT 209,900

02278500 Diversions to Conservation Area No. 1 at S-5A and S-5A-S, near Loxahatchee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.25	11.40	11.02	11.08	12.06	11.24	10.95	11.24	10.59	10.90	10.76	10.19
2	11.14	11.38	11.06	11.00	11.49	11.22	10.94	11.09	10.75	10.98	10.36	10.95
3	11.36	11.47	11.23	10.83	11.04	11.23	11.02	11.10	10.87	11.17	11.01	11.07
4	11.59	11.38	11.39	10.89	11.37	11.15	11.24	11.19	11.05	10.82	10.00	11.07
5	10.88	11.33	11.45	11.05	11.81	11.16	11.07	11.10	10.89	10.30	9.91	11.19
6	11.56	11.53	11.47	11.11	12.14	11.04	10.66	11.04	10.82	10.69	9.89	11.01
7	11.65	11.72	11.36	11.17	12.22	11.31	10.81	10.96	10.61	10.89	10.17	10.81
8	11.43	11.39	11.22	11.21	12.08	11.40	11.23	10.90	10.52	11.06	10.44	11.32
9	11.24	10.96	11.08	11.21	11.84	11.46	11.53	11.08	10.85	10.76	10.27	11.84
10	11.34	10.90	11.14	10.89	11.95	11.23	11.51	11.83	10.39	10.79	10.72	11.89
11	11.58	11.05	11.15	10.87	11.30	11.19	11.46	11.30	10.97	10.68	9.76	11.90
12	11.95	11.15	11.02	10.56	11.01	11.19	11.33	11.12	11.40	10.29	10.17	11.28
13	11.88	11.29	11.04	11.06	11.23	11.04	11.10	11.01	11.38	10.61	10.56	11.33
14	11.77	11.77	11.33	10.94	11.01	10.81	11.05	10.98	11.50	11.04	10.82	11.11
15	11.72	11.30	11.55	11.20	11.14	11.09	11.17	11.24	11.37	10.67	11.29	10.16
16	11.59	10.62	11.88	11.45	11.19	11.30	11.17	11.46	11.22	11.07	10.01	10.91
17	11.38	11.03	11.26	11.61	10.90	11.75	11.12	11.45	11.36	10.75	10.76	11.58
18	11.33	10.63	10.92	11.64	10.77	11.93	11.11	11.27	11.07	11.14	11.19	11.18
19	11.46	10.59	10.82	11.67	10.89	11.72	11.14	11.14	10.52	10.91	11.47	11.15
20	11.63	11.48	10.79	11.69	10.78	11.40	11.11	11.09	10.79	10.43	10.96	10.93
21	11.89	12.01	11.03	11.62	10.94	11.43	11.04	11.02	10.19	10.84	9.99	11.11
22	11.87	11.91	11.25	11.66	10.94	11.60	10.99	10.99	10.25	10.97	10.38	11.50
23	11.82	11.86	10.77	12.09	11.24	11.15	11.04	11.00	10.32	10.20	10.89	10.59
24	11.70	11.69	11.15	11.72	11.53	11.21	10.99	11.04	10.32	10.25	11.07	10.46
25	11.69	11.62	11.39	11.80	11.67	11.26	11.07	11.48	10.40	10.02	11.32	11.22
26	11.66	11.62	11.55	11.60	11.74	10.98	11.13	11.26	10.60	9.97	10.84	11.10
27	11.57	10.69	11.34	11.54	11.45	10.94	11.46	11.17	11.08	10.03	10.68	11.07
28	11.60	10.93	11.09	11.92	11.18	11.15	11.66	11.17	11.31	10.04	10.43	10.73
29	11.67	11.14	11.39	10.77	------	11.18	11.53	11.05	11.20	10.60	10.59	10.82
30	11.62	11.11	11.40	11.18	------	11.15	11.41	11.32	11.11	9.94	10.61	11.30
31	11.48	------	11.23	11.63	------	11.05	------	11.04	------	10.14	10.38	------
MEAN	11.56	11.30	11.22	11.31	11.39	11.26	11.17	11.17	10.86	10.61	10.57	11.09
MAX	11.95	12.01	11.88	12.09	12.22	11.93	11.66	11.83	11.50	11.17	11.47	11.90
MIN	10.88	10.59	10.77	10.56	10.77	10.81	10.66	10.90	10.19	9.94	9.76	10.16

CAL YR 1972 MEAN 11.43 MAX 12.71 MIN 9.97
WTR YR 1973 MEAN 11.12 MAX 12.22 MIN 9.76

02278501 Conservation Area No. 1 below S-5 complex, near Loxahatchee, Fla.

LOCATION.--Lat 26°41'00", long 80°22'10", in S half sec.32, T.43 S., R.40 E., Palm Beach County, at pump station S-5A, 1.5 mi (2.4 km) downstream from Cross Canal and 6 mi (10 km) west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1955 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark).

EXTREMES.--Current year: Maximum gage height, 16.60 ft (5.060 m) Sept. 23; minimum, 13.05 ft (3.978 m) May 24.
Period of record: Maximum gage height, 18.30 ft (5.578 m) Sept. 26, 1960; minimum, 8.02 ft (2.444 m) Apr. 20, 24, 1956.

REMARKS.--Gage records water level in Conservation Area No. 1 at structure 5 complex. Stage is affected by pumping at S-5A and S-6 and the operation of gated-control structures in levees 39 and 40.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.54	15.29	15.32	15.29	15.33	15.06	14.80	13.65	13.86	14.88	16.14	16.10
2	15.52	15.29	15.35	15.24	15.48	15.07	14.71	13.62	13.95	14.87	16.08	16.19
3	15.52	15.27	15.35	15.26	15.42	15.04	14.78	13.60	13.83	15.04	15.96	16.18
4	15.62	15.25	15.34	15.21	15.29	15.02	14.82	13.50	13.74	15.19	16.07	16.22
5	15.69	15.23	15.36	15.19	15.31	15.00	14.61	13.42	13.68	15.29	16.06	16.19
6	15.64	15.22	15.36	15.17	15.30	14.99	14.62	13.38	13.63	15.19	16.01	16.22
7	15.61	15.33	15.32	15.16	15.30	14.97	14.71	13.36	13.77	15.28	15.94	16.18
8	15.58	15.44	15.33	15.17	15.32	14.96	14.58	13.32	14.33	15.26	15.92	16.09
9	15.56	15.42	15.32	15.08	15.35	14.95	14.57	13.25	14.24	15.30	16.00	16.02
10	15.54	15.42	15.30	15.07	15.22	15.03	14.46	13.30	14.14	15.35	16.13	15.94
11	15.50	15.42	15.29	15.32	15.05	14.99	14.44	13.34	14.08	15.42	16.11	15.96
12	15.47	15.40	15.29	15.41	15.13	14.95	14.42	13.35	14.04	15.49	15.93	16.02
13	15.50	15.43	15.28	15.27	15.17	14.92	14.37	13.36	14.01	15.57	15.76	15.97
14	15.49	15.50	15.30	15.26	15.21	14.92	14.36	13.32	13.97	15.50	15.68	15.98
15	15.46	15.61	15.34	15.24	15.14	14.92	14.32	13.33	13.95	15.55	15.82	15.99
16	15.47	15.61	15.20	15.25	15.10	14.89	14.30	13.29	13.96	15.55	15.93	15.97
17	15.48	15.50	15.13	15.24	15.07	14.80	14.25	13.28	13.99	15.60	15.77	16.05
18	15.44	15.50	15.23	15.23	15.08	14.73	14.25	13.28	14.25	15.57	15.65	16.22
19	15.43	15.51	15.24	15.22	15.22	14.74	14.17	13.25	14.46	15.63	15.48	16.21
20	15.41	15.49	15.26	15.17	15.16	14.78	14.13	13.23	14.62	15.62	15.51	16.21
21	15.42	15.43	15.37	15.22	15.13	14.80	14.07	13.20	14.97	15.56	15.66	16.26
22	15.44	15.42	15.52	15.26	15.13	14.62	14.07	13.14	15.02	15.90	15.68	16.26
23	15.44	15.39	15.52	15.23	15.13	14.61	14.04	13.12	15.07	16.31	15.68	16.44
24	15.43	15.40	15.38	15.23	15.12	14.62	13.99	13.05	15.09	16.44	15.69	16.49
25	15.41	15.46	15.36	15.19	15.14	14.73	13.97	13.25	15.06	16.45	15.74	16.47
26	15.41	15.50	15.33	15.23	15.11	15.00	13.95	13.39	15.00	16.38	15.76	16.42
27	15.43	15.51	15.31	15.22	15.06	14.82	13.94	13.44	15.02	16.33	15.77	16.44
28	15.40	15.44	15.31	15.28	15.04	14.83	13.74	13.41	14.98	16.25	15.69	16.44
29	15.36	15.42	15.31	15.42	------	14.84	13.75	13.32	14.97	16.19	15.73	16.42
30	15.33	15.42	15.32	15.25	------	14.82	13.71	13.30	14.93	16.25	15.78	16.41
31	15.31	------	15.30	15.27	------	14.82	------	13.68	------	16.16	15.90	------
MEAN	15.48	15.42	15.32	15.23	15.20	14.88	14.30	13.35	14.35	15.66	15.84	16.20
MAX	15.69	15.61	15.52	15.42	15.48	15.07	14.82	13.68	15.09	16.45	16.14	16.49
MIN	15.31	15.22	15.13	15.07	15.04	14.61	13.71	13.05	13.63	14.87	15.48	15.94

CAL YR 1972 MEAN 15.80 MAX 16.68 MIN 14.98
WTR YR 1973 MEAN 15.10 MAX 16.49 MIN 13.05

02278550 Levee 8 Canal at West Palm Beach Canal, near Loxahatchee, Fla.

LOCATION.--Lat 26°41'05", long 80°21'35", in SE quarter sec.32, T.43 S., R.40 E., Palm Beach County, at upstream side in center of span of bridge on U. S. Highway 441, 50 ft (15 m) above mouth and West Palm Beach Canal, 0.2 mi (0.3 km) east of pump station S-5A, and 6 mi (10 km) west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder and gate opening indicators. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Sept. 30, 1967, deflection-meter recorder at same site. Auxiliary water-stage recorders above S-5A-W and below S-5A-E.

AVERAGE DISCHARGE.--16 years, 189 cfs (5.352 cu m/s), 136,800 acre-ft/yr (168 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 305 cfs (8.64 cu m/s) Aug. 11; maximum gage height, 12.95 ft (3.947 m) Aug. 15; maximum daily reverse flow, 220 cfs (6.23 cu m/s) Nov. 14; minimum gage height, 9.39 ft (2.862 m) Aug. 8.
Period of record: Maximum daily discharge, 2,190 cfs (62.0 cu m/s) Mar. 31, 1970; maximum gage height, 19.10 ft (5.822 m) Sept. 27, 1960, from floodmark; maximum daily reverse flow, 1,220 cfs (34.6 cu m/s) Mar. 23, 1969; minimum gage height, 8.05 ft (2.454 m) Mar. 17, 1969.

REMARKS.--Records good. Flow regulated by operation of S-5A-E, S-5A-S, S-5A-W just downstream and pumpage at S-5A. Gate operation and pumpage occasionally reverses the flow (negative figures indicate flow reversed). Discharge is summation of flows at S-5A-E, S-5A-S and S-5A-W. Discharge computed from relation between discharge, head, and gate openings.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Dec. 26 (0900) 19.0°; Feb. 21 (0835) 10.5°; Mar. 19 (0825) 14.5°; Apr. 17 (0810) 24.0°; May 17 (1115) 26.0°; June 14 (0905) 28.5°; Aug. 15 (1215) 29.0°; Sept. 11 (1210) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-11	-58	-147	-105	-148	-134	-44	-115	-13	10	137	145
2	-15	-123	-94	-55	-.10	-115	-110	-126	-76	-46	106	260
3	-145	-93	-154	18	-33	-82	-61	-132	18	8.3	184	247
4	-173	-96	-171	-51	-132	-37	-70	-152	-54	39	74	240
5	-36	-102	-170	-94	-106	-111	-50	-135	-56	-55	-39	205
6	-131	-173	-124	-121	-164	-112	-46	-116	24	-44	-45	204
7	-110	-141	-75	-131	-148	-128	-97	-126	26	29	-78	198
8	-40	-99	-77	-112	-74	-171	-141	-122	-100	73	-53	95
9	-77	-136	-37	-80	-113	-188	-172	-128	51	30	-87	87
10	-81	-123	-75	4.4	-167	-101	-147	-167	-25	51	220	91
11	-151	-148	-38	-63	-122	-152	-133	-63	-90	218	305	109
12	-179	-123	-61	-114	-80	-126	-70	-93	-112	254	175	145
13	-47	-170	-74	-105	-80	-88	-123	-88	-32	246	246	38
14	-45	-220	-151	-79	-117	-89	-133	-90	-102	221	78	95
15	-9.1	1.4	-174	-135	-162	-93	-153	-165	-88	117	167	224
16	39	-108	-93	-156	-121	-133	-155	-100	-109	224	199	35
17	63	-124	-53	-151	-108	-169	-154	-108	-173	203	50	88
18	28	-1.1	-31	-121	-102	-194	-147	-162	-80	237	144	157
19	-103	-100	-73	-135	-42	-172	-121	-169	-182	241	9.8	119
20	-2.9	-122	-79	-149	-111	-105	-139	-184	-55	202	169	127
21	-40	-119	-83	-127	-82	-194	-114	-179	-61	185	119	59
22	-80	-27	17	-158	-72	-193	-118	-153	-124	235	99	32
23	-65	-44	-50	-152	-109	-151	-122	-143	-78	302	79	77
24	3.4	-7.0	12	-104	-117	-156	-139	-164	-92	268	64	73
25	-14	-143	-31	-143	-103	-183	-163	-173	-131	211	166	103
26	-3.4	-120	-68	-74	-73	-52	-164	-119	-100	192	182	66
27	-104	-86	-46	-81	-11	-131	-180	-190	-37	206	146	35
28	-73	-151	-92	-134	-91	-132	-170	-125	-147	228	149	149
29	-63	-177	-74	-90	------	-151	-116	-132	-55	192	104	26
30	8.2	-136	-70	-150	------	-113	-108	-95	-64	196	111	57
31	-46	------	-85	-154	------	-40	------	-35	------	211	124	------
TOTAL	-1,702.8	-3,268.7	-2,521	-3,301.6	-2,788.10	-3,996	-3,660	-4,049	-2,117	4,684.3	3,304.8	3,586
MEAN	-54.9	-109	-81.3	-107	-99.6	-129	-122	-131	-70.6	151	107	120
MAX	63	1.4	17	18	-.10	-37	-44	-35	51	302	305	260
MIN	-179	-220	-174	-158	-167	-194	-180	-190	-182	-55	-87	26

CAL YR 1972 TOTAL -10,300.60 MEAN -28.1 MAX 414 MIN -220
WTR YR 1973 TOTAL -15,829.10 MEAN -43.4 MAX 305 MIN -220

02278550 Levee 8 Canal at West Palm Beach Canal, near Loxahatchee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.25	11.39	10.96	11.05	12.01	11.20	10.93	11.09	10.61	10.91	10.82	10.40
2	11.13	11.34	11.02	10.98	11.53	11.18	10.88	10.93	10.72	10.97	10.40	11.63
3	11.30	11.43	11.17	10.83	11.04	11.20	11.00	10.94	10.91	11.19	11.18	11.64
4	11.49	11.35	11.33	10.87	11.33	11.14	11.22	11.00	11.04	10.84	10.04	11.64
5	10.87	11.30	11.38	11.02	11.77	11.12	11.01	10.92	10.87	10.28	9.90	11.58
6	11.52	11.46	11.43	11.07	12.07	11.01	10.59	10.89	10.83	10.67	9.88	11.44
7	11.61	11.66	11.33	11.12	12.16	11.26	10.77	10.81	10.63	10.91	10.13	11.22
8	11.41	11.36	11.19	11.17	12.05	11.33	11.16	10.75	10.47	11.09	10.43	11.40
9	11.21	10.91	11.07	11.18	11.80	11.35	11.43	10.95	10.89	10.80	10.24	11.91
10	11.31	10.85	11.12	10.89	11.88	11.20	11.43	11.76	10.39	10.86	10.91	12.01
11	11.52	11.00	11.13	10.85	11.26	11.13	11.38	11.27	10.94	10.90	9.97	12.04
12	11.87	11.11	11.00	10.52	10.98	11.15	11.28	11.09	11.36	10.44	10.26	11.61
13	11.56	11.22	11.02	11.02	11.20	11.00	11.01	10.98	11.37	10.80	10.79	11.35
14	11.75	11.66	11.28	10.91	10.97	10.73	10.95	10.95	11.46	11.16	10.86	11.55
15	11.71	11.32	11.47	11.15	11.07	11.02	11.05	11.18	11.35	10.74	11.77	10.83
16	11.60	10.58	11.84	11.39	11.15	11.23	11.00	11.43	11.17	11.19	10.35	10.93
17	11.40	10.98	11.24	11.55	10.86	11.68	10.92	11.41	11.29	10.89	10.84	11.73
18	11.34	10.63	10.91	11.60	10.73	11.85	10.93	11.21	11.07	11.30	11.49	11.52
19	11.43	10.56	10.80	11.62	10.88	11.65	10.99	11.08	10.44	11.08	11.47	11.39
20	11.63	11.43	10.77	11.64	10.74	11.32	10.93	11.02	10.78	10.54	11.27	11.11
21	11.88	11.97	11.00	11.57	10.91	11.26	10.90	10.95	10.15	10.92	10.16	11.18
22	11.85	11.90	11.27	11.60	10.92	11.44	10.85	10.93	10.19	11.11	10.49	11.65
23	11.80	11.85	10.75	12.03	11.20	11.04	10.89	10.94	10.29	10.41	11.03	10.68
24	11.70	11.69	11.15	11.68	11.49	11.09	10.82	10.91	10.29	10.42	11.18	10.52
25	11.69	11.56	11.38	11.74	11.64	11.11	10.86	11.34	10.34	10.12	11.67	11.27
26	11.66	11.57	11.52	11.57	11.71	10.90	10.92	11.19	10.54	10.06	11.20	11.16
27	11.54	10.66	11.32	11.51	11.45	10.89	11.22	11.09	11.11	10.13	10.92	11.10
28	11.57	10.88	11.06	11.88	11.14	11.10	11.43	11.13	11.26	10.16	10.65	10.85
29	11.65	11.06	11.37	10.74	------	11.12	11.37	11.01	11.21	10.72	10.73	10.83
30	11.63	11.06	11.38	11.12	------	11.11	11.27	11.28	11.08	10.03	10.76	11.32
31	11.47	------	11.20	11.57	------	11.03	------	11.03	------	10.24	10.59	------
MEAN	11.54	11.26	11.19	11.27	11.36	11.19	11.05	11.08	10.84	10.71	10.72	11.32
MAX	11.88	11.97	11.84	12.03	12.16	11.85	11.43	11.76	11.46	11.30	11.77	12.04
MIN	10.87	10.56	10.75	10.52	10.73	10.73	10.59	10.75	10.15	10.03	9.88	10.40

CAL YR 1972 MEAN 11.43 MAX 12.68 MIN 10.25
WTR YR 1973 MEAN 11.12 MAX 12.16 MIN 9.88

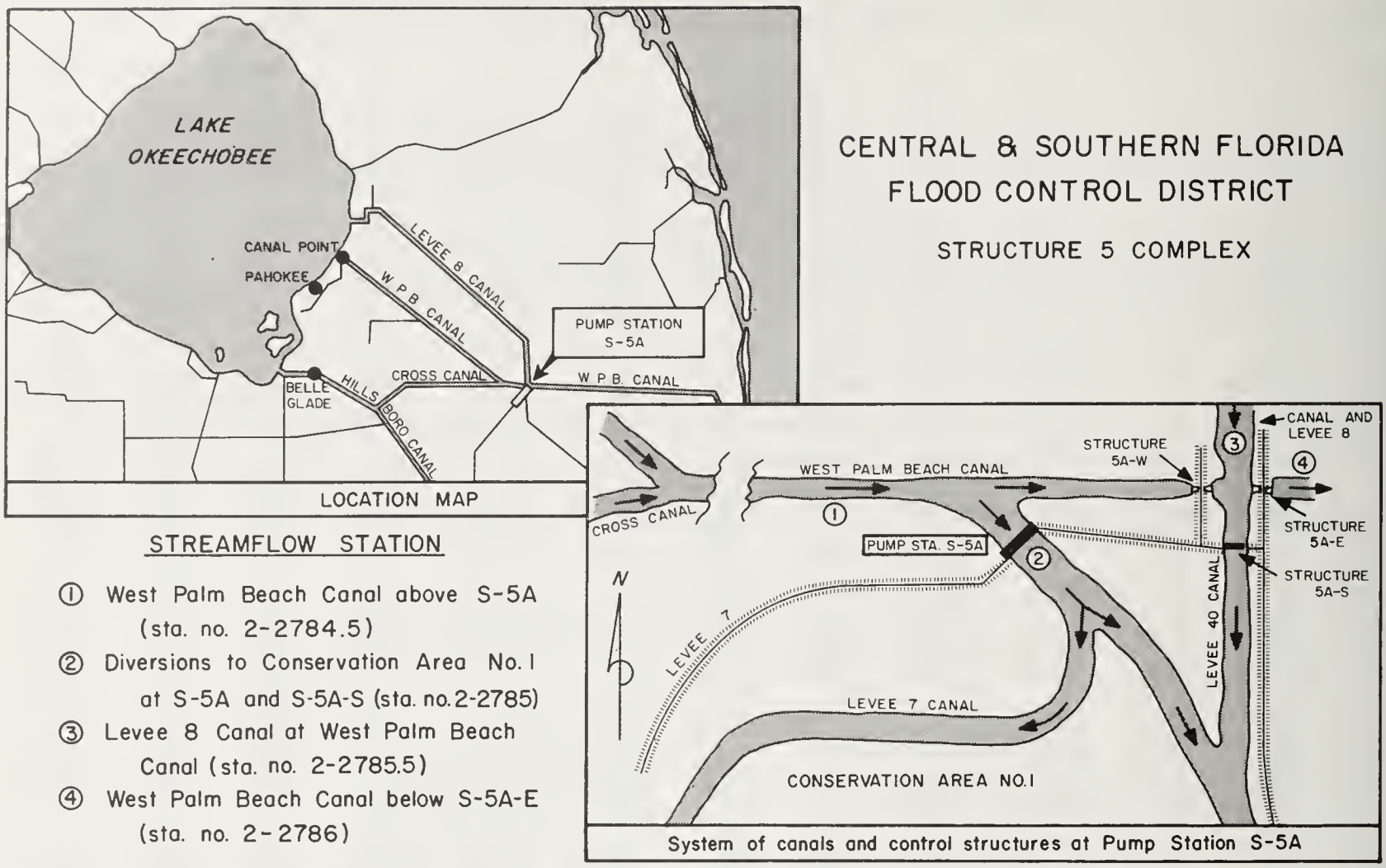


Figure 4. Central & Southern Florida Flood Control District, Structure 5 Complex.

02278600 West Palm Beach Canal below S-5A-E, near Loxahatchee, Fla.

LOCATION.--Lat 26°41'05", long 80°21'50", in SE quarter sec.32, T.43 S., R.40 E., Palm Beach County, near left bank, 350 ft (107 m) downstream from control structure 5A-E and 6 mi (10 km) west of Loxahatchee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1955 to current year. Monthly discharge only for September 1955, published in WSP 1724.

GAGE.--Water-stage recorder and gate opening indicator. Datum of gage is at mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder in Levee 8 Canal 50 ft (15 m) above S-5A-E.

AVERAGE DISCHARGE.--18 years, 242 cfs (6.853 cu m/s), 175,200 acre-ft/yr (216 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 154 cfs (4.36 cu m/s) Apr. 28; maximum gage height, 11.84 ft (3.609 m) July 23; no flow for many days; minimum gage height, 7.47 ft (2.277 m) Oct. 9.
Period of record: Maximum daily discharge, 960 cfs (27.2 cu m/s) Oct. 3, 1959; maximum gage height, 16.13 ft (4.916 m) Sept. 26, 1960; maximum daily reverse flow, 805 cfs (22.8 cu m/s) Sept. 18, 1960; minimum gage height, 6.00 ft (1.829 m) Sept. 9, 1965.

REMARKS.--Records good. Normal flow to east regulated at S-5A-E for irrigation and drainage. Flow diverted above station through S-5A-S and by pumpage at S-5A. Flow materially affected by regulation of Cross Canal 1.5 mi (2.4 km) upstream and hurricane gate structure 5, 20 mi (32 km) upstream. Discharge computed from relation between discharge, head, and gate openings at S-5A-E.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Dec. 26 (0855) 19.0°; Jan. 17 (0635) 16.0°; Feb. 21 (0830) 11.0°; Mar. 19 (0820) 16.0°; Apr. 17 (0800) 24.0°; May 17 (1110) 26.5°; June 14 (1000) 29.0°; Aug. 15 (1215) 29.5°; Sept. 11 (1200) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0			0	0	142				
2			0			0	0	140				
3			0			0	0	140				
4			0			0	0	146				
5			0			0	55	145				
6			0			0	95	143				
7			0			0	41	139				
8			0			0	43	135				
9			0			28	43	111				
10			0			0	44	0				
11			0			0	44	0				
12			0			0	70	0				
13			0			28	81	0				
14			0			46	81	0				
15			0			53	81	0				
16			0			52	124	0				
17			0			0	140	0				
18			0			0	139	0				
19			0			0	143	0				
20			0			54	145	0				
21			0			79	139	0				
22			0			79	138	0				
23			0			74	141	23				
24			0			75	144	77				
25			0			75	147	80				
26			0			25	146	56				
27			20			0	151	0				
28			0			0	154	0				
29			0		------	0	150	0				
30			0		------	0	147	0				
31		------	0		------	0	------	0	------			------
TOTAL	0	0	20	0	0	668	2,826	1,477	0	0	0	0
MEAN	0	0	.65	0	0	21.5	94.2	47.6	0	0	0	0
MAX	0	0	20	0	0	79	154	146	0	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	40	0	0	1,320	5,610	2,930	0	0	0	0

CAL YR 1972 TOTAL 2,559.80 MEAN 6.99 MAX 172 MIN -544 AC-FT 5,080
WTR YR 1973 TOTAL 4,991.00 MEAN 13.7 MAX 154 MIN .0 AC-FT 9,900

02278600 West Palm Beach Canal below S-5A-E, near Loxahatchee, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.06	7.82	8.46	8.48	8.56	8.86	8.27	8.96	8.06	7.67	9.38	10.38
2	8.11	7.85	8.45	8.41	8.71	8.68	8.20	8.87	8.06	7.61	9.68	11.19
3	8.17	7.89	8.51	8.41	8.73	8.51	8.07	8.87	8.17	8.19	9.75	10.33
4	8.43	7.91	8.59	8.37	8.78	8.47	8.02	8.76	8.29	8.25	8.93	9.53
5	8.70	8.08	8.62	8.37	8.70	8.34	8.05	8.72	8.30	8.19	8.70	9.18
6	8.27	8.15	8.62	8.39	8.56	8.13	8.23	8.74	8.17	8.10	8.82	8.47
7	7.92	8.70	8.64	8.42	8.47	8.06	7.96	8.76	8.11	8.13	8.47	8.58
8	7.66	8.88	8.61	8.45	8.47	8.20	8.03	8.81	8.16	8.19	8.44	8.46
9	7.55	8.55	8.54	8.47	8.46	8.28	8.24	8.66	8.29	8.46	9.06	8.09
10	7.75	8.66	8.47	8.38	8.24	8.29	8.21	8.41	8.17	8.65	9.50	7.93
11	7.94	8.76	8.43	8.64	7.97	8.22	8.17	8.91	8.16	8.92	9.39	7.86
12	8.02	8.86	8.41	8.43	7.91	8.17	8.25	8.61	8.38	9.04	8.40	8.31
13	8.03	8.93	8.23	8.18	8.05	8.23	8.21	8.90	8.52	9.00	8.07	8.24
14	8.07	8.82	8.16	8.05	8.09	8.25	8.18	8.81	8.57	8.62	8.13	7.91
15	8.10	8.00	8.21	7.91	8.10	8.29	8.27	8.58	8.75	9.71	8.55	8.38
16	8.03	8.09	8.38	8.09	8.18	8.45	8.59	8.77	8.85	10.20	8.88	8.52
17	8.03	8.24	8.50	8.12	8.31	8.01	8.84	8.98	8.30	10.25	8.94	8.93
18	7.94	8.41	8.60	8.04	8.23	8.06	8.88	8.73	7.84	9.52	8.42	9.95
19	7.85	8.58	8.54	7.97	8.40	8.08	8.82	9.13	7.73	8.68	8.14	10.32
20	8.02	8.67	8.55	7.97	8.71	8.26	8.70	8.50	8.02	8.35	7.95	10.22
21	8.35	8.70	8.68	8.00	8.69	8.64	8.86	8.21	8.79	8.45	8.22	9.22
22	8.40	8.70	8.86	8.10	8.59	8.78	8.83	8.06	8.71	10.02	9.14	8.67
23	8.39	8.69	8.60	8.30	8.47	8.76	8.77	8.09	8.11	11.60	8.78	8.66
24	8.22	8.69	8.22	8.49	8.55	8.70	8.62	8.44	7.97	10.50	8.22	9.33
25	8.18	8.67	8.06	8.64	8.64	8.75	8.59	8.61	8.11	9.72	8.48	9.35
26	8.07	8.68	7.88	8.66	8.81	8.60	8.66	8.82	9.12	9.56	8.26	8.59
27	8.05	8.68	8.05	8.70	8.85	8.67	8.81	8.51	8.84	9.42	8.01	8.34
28	8.00	8.63	8.11	9.02	8.92	8.79	8.92	8.35	8.14	10.25	7.92	8.49
29	8.12	8.58	8.27	9.03	------	8.52	9.00	8.22	8.30	10.21	7.95	8.24
30	8.12	8.51	8.32	8.55	------	8.39	8.99	8.29	7.94	9.68	8.32	8.10
31	7.90	------	8.41	8.35	------	8.30	------	8.26	------	9.52	8.74	------
MEAN	8.08	8.48	8.42	8.37	8.47	8.41	8.47	8.62	8.30	9.12	8.63	8.93
MAX	8.70	8.93	8.86	9.03	8.92	8.86	9.00	9.13	9.32	11.60	9.75	11.19
MIN	7.55	7.82	7.88	7.91	7.91	8.01	7.96	8.06	7.73	7.61	7.92	7.86

CAL YR 1972 MEAN 8.37 MAX 12.48 MIN 7.11
WTR YR 1973 MEAN 8.53 MAX 11.60 MIN 7.55

02278698 Lateral Canal at Seminole Road near Loxahatchee, Fla.

LOCATION.—Lat 26°44'29", long 80°18'29", in SW quarter sec.12, T.43 S., R.40 E., Palm Beach County, on south bank 50 ft (15 m) east of Seminole road, 4.0 mi (6.4 km) north of State Highway 80, 5.0 mi (8.0 km) northeast of Loxahatchee, and 12 mi (19 km) west of Haverhill.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period June to September, 17.58 ft (5.358 m) July 15; minimum, 15.99 ft (4.874 m) Sept. 25.

REMARKS.--Gage records water levels in the western portion of an agricultural area. Water levels are affected by control operations.

GAGE HEIGHT, IN FEET, JUNE TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										16.46	17.10	16.20
2										16.34	16.72	16.00
3										16.05	16.04	16.08
4										16.15	16.35	16.21
5										16.22	16.25	16.00
6										16.25	16.03	16.01
7										16.29	16.11	16.08
8										16.47	16.28	16.12
9										16.73	16.49	16.13
10										16.95	16.35	16.14
11										17.15	16.01	16.13
12										16.89	16.03	16.14
13										16.50	16.15	16.11
14										16.87	16.27	16.18
15										17.39	16.35	16.43
16										16.69	16.25	16.57
17										16.07	16.01	16.44
18										16.20	16.01	16.10
19										16.65	16.06	16.51
20										16.80	16.17	16.18
21										16.86	16.39	16.33
22									16.61	16.87	16.29	16.48
23									16.71	16.11	16.01	16.69
24									16.96	16.07	16.15	16.40
25									16.80	16.40	16.38	16.00
26									16.42	16.62	16.49	16.02
27									16.75	16.73	16.53	16.11
28									16.70	16.89	16.58	16.16
29					------				16.23	16.98	16.44	16.18
30					------				16.40	17.01	16.00	16.18
31		------			------		------		------	17.01	16.09	------
MEAN										16.60	16.27	16.21
MAX										17.39	17.10	16.69
MIN										16.05	16.00	16.00

02278732 Lateral Canal in Loxahatchee Groves near Loxahatchee, Fla.

LOCATION.--Lat 26°42'17", long 80°17'45", in NE quarter sec.30, T.43 S., R.41 E., Palm Beach County, on east bank, 100 ft (30 m) south of "C" road and Okeechobee Road, 1.7 mi (2.7 km) north of Loxahatchee, and 10 mi (16 km) west of Haverhill.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period August to September, 17.99 ft (5.483 m) Sept. 1; minimum, 16.69 ft (5.087 m) Aug. 28, 29.

REMARKS.--Gage records water levels in the southern part of an agricultural area. Water levels affected by control operations.

GAGE HEIGHT, IN FEET, AUGUST TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												17.79
2												17.65
3												17.39
4												17.23
5												17.11
6												17.00
7												16.93
8												16.87
9												16.81
10												16.76
11												16.74
12												16.79
13												16.76
14												16.83
15												17.08
16											17.24	17.21
17											17.16	17.51
18											16.99	17.64
19											16.88	17.68
20											16.83	17.61
21											16.85	17.43
22											17.02	17.25
23											16.94	17.20
24											16.86	17.25
25											16.87	17.12
26											16.82	17.01
27											16.75	17.01
28											16.71	17.01
29				------							16.70	16.96
30				------							16.74	16.93
31		------		------		------		------			17.17	------
MEAN												17.15
MAX												17.79
MIN												16.74

02279000 West Palm Beach Canal at West Palm Beach, Fla.

LOCATION.--Lat 26°38'40", long 80°03'24", in NE quarter sec.16, T.44 S., R.43 E., Palm Beach County, on left bank at upstream side of lock and control structure, 20 ft (6 m) upstream from bridge on U. S. Highway 1, and 4.9 mi (7.9 km) south of courthouse in West Palm Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder, sharp crested weir, and gate opening indicator. Datum of gage is at mean sea level (State Department of Transportation bench mark). Prior to Apr. 26, 1940, nonrecording gage, Apr. 26, 1940, to Dec. 20, 1949, water-stage recorder, at same site at datum 0.25 ft (0.076 m) higher, and Dec. 20, 1949, to June 3, 1959, at same site and present datum. June 3, 1959, to Sept. 30, 1965, water-stage and deflection-meter recorder at site 800 ft (244 m) upstream at present datum.

AVERAGE DISCHARGE.--33 years, 812 cfs (23.0 cu m/s), 587,900 acre-ft/yr (725 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 2,180 cfs (61.7 cu m/s) Sept. 2; maximum gage height, 9.16 ft (2.792 m) Feb. 27; flow consists of leakage estimated as 10 cfs (0.28 cu m/s) for many days; minimum gage height, 5.83 ft (1.777 m) Sept. 14.

Period of record: Maximum daily discharge, 5,320 cfs (151 cu m/s) Apr. 18, 1942; maximum gage height, 10.89 ft (3.319 m) Oct. 13, 1947, present datum; flow consists of leakage estimated as 10 cfs (0.28 cu m/s) for many days in 1967-1973; minimum gage height, 2.85 ft (0.869 m) Dec. 3, 1953, Oct. 9, 1963, and Sept. 9, 1964.

Flood of Oct. 23, 24, 1924, reached a stage of 13.20 ft (4.023 m); present datum, from records by Everglades Drainage District, discharge 8,570 cfs (243 cu m/s).

REMARKS.--Records fair. Flow regulated by operation of control structure and gates in lock chamber for irrigation and drainage purposes. Lock chamber not used for navigation. Since January 1954, flow affected by control structures 20 mi (32 km) upstream. Discharge computed from relations between discharge, head, and gate openings.

COOPERATION.--Water-stage recorder graph, stoplog and gate-operation record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	10	173	25	22	189	180	63	45	1,060	1,100	2,070
2	191	10	160	29	127	201	171	57	10	710	1,120	2,180
3	195	10	170	29	181	176	155	55	10	624	1,100	1,730
4	225	10	196	29	183	156	358	54	10	683	978	1,160
5	488	10	203	28	178	95	173	38	19	690	701	977
6	493	10	210	28	161	11	15	35	10	680	776	620
7	402	1,430	205	32	138	10	18	35	243	683	770	843
8	347	1,090	197	31	59	10	20	38	242	679	744	864
9	165	513	177	28	41	10	53	38	247	722	786	640
10	120	199	168	33	192	10	61	110	259	762	1,080	530
11	130	184	163	315	141	10	46	161	102	833	1,170	537
12	145	219	152	388	52	10	31	164	13	849	848	636
13	158	232	79	311	10	10	23	173	40	706	461	633
14	164	773	10	271	10	10	14	189	54	635	470	594
15	169	533	12	115	10	10	10	177	72	719	523	764
16	171	213	40	55	13	10	10	167	931	1,010	588	829
17	160	110	61	61	21	10	23	190	788	1,470	630	837
18	133	141	64	60	14	10	35	175	515	1,400	621	1,380
19	72	167	56	58	31	10	42	180	344	1,220	572	1,820
20	62	204	59	51	70	10	36	162	461	993	532	1,520
21	101	212	70	51	78	10	38	116	731	897	533	1,300
22	119	209	392	28	60	10	41	88	775	1,090	888	1,360
23	130	207	490	15	45	10	40	72	552	1,140	871	1,370
24	117	207	358	44	44	10	29	33	552	981	636	1,470
25	99	209	304	58	54	10	28	90	625	1,310	708	1,490
26	87	208	275	58	88	33	31	237	879	1,350	689	934
27	78	207	107	59	119	70	43	248	1,130	1,700	540	648
28	76	202	10	95	113	229	54	218	1,060	2,030	514	865
29	76	192	10	347	------	242	57	138	1,140	1,660	504	862
30	78	184	10	384	------	216	62	110	1,120	1,200	568	819
31	32	------	13	127	------	196	------	117	------	1,310	941	------
TOTAL	5,163	8,105	4,594	3,243	2,255	2,004	1,897	3,728	12,979	31,796	22,962	32,282
MEAN	167	270	148	105	80.5	64.6	63.2	120	433	1,026	741	1,076
MAX	493	1,430	490	388	192	242	358	248	1,140	2,030	1,170	2,180
MIN	32	10	10	15	10	10	10	33	10	624	461	530
AC-FT	10,240	16,080	9,110	6,430	4,470	3,970	3,760	7,390	25,740	63,070	45,550	64,030

CAL YR 1972 TOTAL 161,322 MEAN 441 MAX 3,290 MIN 10 AC-FT 320,000
WTR YR 1973 TOTAL 131,008 MEAN 359 MAX 2,180 MIN 10 AC-FT 259,900

02279000 West Palm Beach Canal at West Palm Beach, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.25	8.03	8.71	8.51	8.49	9.03	8.24	8.10	8.30	7.26	7.67	6.97
2	8.29	7.98	8.65	8.54	8.71	8.84	8.20	8.06	8.21	7.35	7.87	7.14
3	8.31	7.95	8.70	8.55	8.75	8.73	8.12	8.04	8.25	7.88	7.67	6.40
4	8.45	7.91	8.82	8.55	8.76	8.62	7.92	8.04	8.35	8.09	7.24	6.32
5	8.57	7.93	8.85	8.54	8.73	8.55	7.33	7.92	8.47	8.10	7.20	6.84
6	8.16	7.97	8.88	8.54	8.65	8.36	7.71	7.89	8.37	8.07	7.64	7.12
7	7.88	7.91	8.86	8.57	8.53	8.26	7.76	7.89	8.27	8.09	7.62	7.77
8	7.71	7.53	8.82	8.56	8.47	8.19	7.78	7.91	7.79	8.07	7.55	7.50
9	7.68	7.59	8.73	8.53	8.49	8.09	8.03	7.92	7.85	8.20	7.66	7.36
10	7.93	7.81	8.69	8.57	8.30	8.31	8.09	8.38	7.90	8.32	7.75	7.56
11	7.99	8.26	8.66	8.67	8.05	8.34	7.98	8.65	7.94	8.53	7.31	7.58
12	8.07	8.42	8.60	8.34	7.91	8.22	7.86	8.67	8.34	8.57	6.93	7.86
13	8.14	8.48	8.50	8.09	8.02	8.11	7.80	8.71	8.63	8.16	6.91	7.86
14	8.17	8.04	8.35	7.94	8.13	8.06	7.73	8.79	8.74	7.93	7.39	7.75
15	8.19	7.10	8.38	7.86	8.22	8.02	7.67	8.73	8.87	8.19	7.54	7.90
16	8.20	7.52	8.63	8.05	8.40	8.02	7.70	8.68	8.97	8.57	7.73	7.77
17	8.15	8.19	8.79	8.09	8.49	8.03	7.80	8.79	7.88	8.53	7.85	7.79
18	8.00	8.55	8.82	8.08	8.43	8.14	7.89	8.72	7.52	7.71	7.82	8.28
19	7.94	8.68	8.75	8.07	8.56	8.11	7.95	8.74	7.41	7.26	7.68	8.06
20	8.09	8.85	8.77	8.01	8.86	7.93	7.90	8.65	7.68	7.12	7.57	7.40
21	8.33	8.89	8.85	8.01	8.91	7.99	7.91	8.41	7.52	7.59	7.57	7.18
22	8.43	8.88	8.92	8.10	8.78	8.16	7.94	8.27	7.63	8.08	7.72	7.32
23	8.48	8.87	8.65	8.40	8.67	8.16	7.93	8.17	7.53	8.21	7.28	7.33
24	8.42	8.87	8.24	8.66	8.66	8.14	7.85	8.22	7.63	7.80	7.13	7.57
25	8.32	8.88	8.07	8.77	8.74	8.17	7.84	8.43	7.41	8.60	7.46	7.62
26	8.26	8.87	7.96	8.77	8.96	8.55	7.86	8.50	8.14	8.70	7.40	7.32
27	8.21	8.87	7.96	8.78	9.13	8.85	7.96	8.55	8.00	8.67	7.37	7.29
28	8.20	8.85	8.21	9.00	9.10	8.82	8.04	8.42	7.26	8.91	7.52	7.60
29	8.20	8.80	8.25	8.82	------	8.53	8.06	8.33	7.45	8.09	7.49	7.39
30	8.21	8.76	8.30	8.33	------	8.41	8.10	8.38	7.41	7.81	7.58	7.28
31	8.11	------	8.40	8.20	------	8.32	------	8.42	------	8.15	7.66	------
MEAN	8.17	8.31	8.57	8.40	8.57	8.32	7.90	8.37	7.99	8.08	7.51	7.44
MAX	8.57	8.89	8.92	9.00	9.13	9.03	8.24	8.79	8.97	8.91	7.87	8.28
MIN	7.68	7.10	7.96	7.86	7.91	7.93	7.33	7.89	7.26	7.12	6.91	6.32

CAL YR 1972 MEAN 7.98 MAX 9.00 MIN 5.79
WTR YR 1973 MEAN 8.14 MAX 9.13 MIN 6.32

02279520 Intracoastal Waterway at Delray Beach, Fla.

LOCATION.--Lat 26°27'53", long 80°03'51", in NE quarter sec.16, T.46 S., R.43 E., Palm Beach County, on sea wall on west bank at foot of NE 2nd St., 1,300 ft (396 m) north of bridge on State Highway 806 in Delray Beach.

PERIOD OF RECORD.--December 1970 to January 1973, discontinued.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height during period October 1972 to January 1973, 3.03 ft (0.924 m) Nov. 19 (estimated); minimum, -1.70 ft (-0.518 m) Nov. 21, Dec. 20 (estimated).
Period of record: Maximum gage height, 3.44 ft (1.048 m) Nov. 6, 1971; minimum, -1.85 ft (-0.564 m) Feb. 10, 1971 (estimated).

REMARKS.--Gage records water levels and tidal fluctuation in the Intracoastal Waterway. The stage published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	1.84	1.70	1.65								
2	1.99	2.02	1.90	1.83								
3	2.18	1.82	2.02	2.03								
4	2.37	1.86	2.04	1.79								
5	2.57	1.81	1.94	1.79								
6	2.70	1.76	1.72	1.85								
7	2.88	2.30	1.50	1.84								
8	2.82	2.16	1.56	1.82								
9	2.57	2.37	1.46	2.11								
10	2.28	2.30	1.54	2.29								
11	2.22	2.16	1.46	2.38								
12	2.24	2.09	1.28	2.67								
13	2.41	2.27	1.11	2.53								
14	1.99	2.09	1.21	2.44								
15	1.84	2.03	1.80	2.53								
16	1.93	2.24	1.98	2.27								
17	1.85	2.55	2.29	2.43								
18	1.79	2.87	2.84	2.50								
19	1.93	3.03	2.98	2.46								
20	2.31	2.95	2.75	2.25								
21	2.63	2.76	3.01	2.34								
22	2.71	2.93	2.58	1.89								
23	2.63	2.96	2.29	1.64								
24	2.59	2.82	1.90	1.60								
25	2.57	2.81	1.93	1.38								
26	2.47	2.03	1.83	1.45								
27	2.04	1.58	1.74	1.46								
28	1.77	1.35	1.90	1.45								
29	1.76	1.49	1.75	1.42	------							
30	1.74	1.39	1.74	1.28	------							
31	1.71	------	1.76	1.70	------		------		------			------
MEAN	2.25	2.22	1.92	1.97								
MAX	2.88	3.03	3.01	2.67								
MIN	1.71	1.35	1.11	1.28								

CAL YR 1972 MEAN 1.96 MAX 3.03 MIN 1.04

10B LAKE OKEECHOBEE AND THE EVERGLADES AREA

02279520 Intracoastal Waterway at Delray Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, OCTOBER 1972 TO JANUARY 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.49	-.59	-.67	-.84								
2	-.57	-.60	-.93	-.84								
3	-.52	-.84	-.96	-.79								
4	-.33	-.92	-1.03	-.94								
5	-.27	-1.12	-1.04	-1.07								
6	-.14	-1.07	-1.30	-.98								
7	.02	-.82	-1.55	-.95								
8	-.02	-.57	-1.30	-.81								
9	-.21	-.31	-1.26	-.58								
10	-.39	-.41	-1.20	-.21								
11	-.31	-.35	-1.04	-.06								
12	-.13	-.31	-1.03	-.13								
13	.00	-.05	-1.28	-.40								
14	-.12	-.18	-1.15	.13								
15	-.38	-.34	-1.20	-.50								
16	-.31	-.39	-1.17	-.92								
17	-.38	-.19	-1.18	-.87								
18	-.56	-.68	-.57	-.86								
19	-.63	-.94	-1.44	-.89								
20	-.71	-1.37	-1.70	-.91								
21	-.25	-1.70	-.70	-.81								
22	-.28	-1.60	-1.36	-.85								
23	-.64	-1.36	-1.41	-.90								
24	-.85	-1.11	-1.65	-.92								
25	-.94	-.70	-1.12	-.86								
26	-.88	-.92	-.63	-.78								
27	-.91	-1.19	-.54	-.28								
28	-.90	-1.02	-.67	-1.00								
29	-.87	-1.10	-.27	-.51	------							
30	-.64	-1.04	-.54	-1.15	------							
31	-.96	------	-.68	-1.05	------		------		------			------
MEAN	-.47	-.79	-1.05	-.73								
MAX	.02	-.05	-.27	.13								
MIN	-.96	-1.70	-1.70	-1.15								

CAL YR 1972 MEAN -.82 MAX .02 MIN -1.70

02280500 Hillsboro Canal below HGS-4, near South Bay, Fla.

LOCATION.--Lat 26°42'00", long 80°42'45", in SW quarter sec.35, T.43 S., R.36 E., Palm Beach County, 15 ft (4.6 m) from south bank, 200 ft (61.0 m) downstream from North New River Canal, 1,000 ft (305 m) downstream from hurricane gate structure 4 and pump station 2 at Lake Okeechobee, and 2.5 mi (4.0 km) north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

GAGE.--Deflection-meter recorder. Dual water-stage recorder in pump station 2 used for gage heights at this station. Datum of gage is at mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--16 years, -23.4 cfs (-0.663 cu m/s), -32,800 acre-ft/yr (-40.4 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 507 cfs (14.4 cu m/s) Apr. 28; maximum gage height, 12.91 ft (3.935 m) Aug. 10; maximum daily reverse flow, 983 cfs (27.8 cu m/s) July 23; minimum gage height, 9.65 ft (2.941 m) Aug. 11.
Period of record: Maximum daily discharge, 948 cfs (26.8 cu m/s) May 5, 1966; maximum gage height, 14.09 ft (4.295 m) Sept. 28, 1962; maximum daily reverse flow, 1,760 cfs (49.8 cu m/s) Mar. 30, 1970; minimum gage height, 8.60 ft (2.621 m) Sept. 23, 1960.

REMARKS.--Records fair. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump station 2 (negative figures indicate flow reversed). Discharge computed from continuous velocity record obtained from recording deflection meter. See records for North New River Canal below HGS-4, near South Bay (station 02283500) for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	293	36	-26	-71	65	-9.8	497	-114	-189	-396	-58
2	153	299	59	-33	-219	44	27	462	-276	-141	-387	-140
3	217	270	54	-16	-210	51	41	471	32	-224	-680	-205
4	84	256	52	32	39	47	2.2	491	-69	-311	-725	-190
5	-152	292	43	69	-26	63	74	504	56	-193	-743	-149
6	-4.4	217	31	58	-52	74	164	492	182	-134	-619	-117
7	-2.7	91	43	77	-50	111	146	448	31	-163	-370	-94
8	-5.2	-196	52	63	-54	119	134	459	-265	-129	-458	-25
9	83	-35	67	74	-38	-24	151	475	-4.8	-41	-252	-20
10	148	2.5	66	51	57	-707	185	83	-24	-139	-550	-14
11	171	33	71	-386	65	-390	186	-32	87	-299	-470	-71
12	175	43	80	-209	5.7	-123	182	43	156	-92	-73	-100
13	163	32	125	56	-37	-72	259	43	140	-111	-295	-23
14	152	-143	127	41	-8.8	-41	268	82	40	-30	-196	-56
15	156	-395	111	36	-14	-1.6	188	144	49	-54	-542	-22
16	176	-182	55	7.9	-4.3	23	220	184	-9.2	-140	-147	-11
17	243	42	23	-6.7	1.8	-12	212	205	-569	-13	-80	-139
18	290	50	-29	11	16	16	199	174	-362	-24	-147	-206
19	271	50	16	17	-42	14	197	218	-207	-34	-32	-239
20	226	1.4	74	7.2	-38	6.8	214	234	-472	-72	-193	-180
21	210	37	62	5.2	0	2.5	207	266	-613	21	-337	-226
22	186	25	-399	-167	53	49	266	386	-352	-481	-97	-135
23	207	18	-286	-404	39	120	312	444	-534	-983	-262	-327
24	237	15	6.5	-270	43	109	370	420	-399	-977	-230	-150
25	228	3.5	-6.0	-35	32	60	382	-76	-189	-903	-275	-194
26	210	-269	-23	-26	-10	-313	469	-72	9.2	-768	-131	-171
27	198	-133	6.7	-35	-8.0	-192	452	6.8	4.4	-592	-166	-114
28	234	46	39	-175	74	-35	507	7.0	-46	-438	-93	-116
29	229	28	25	-426	------	-17	478	129	-60	-594	-137	-58
30	220	37	-30	57	------	3.0	479	122	-169	-717	-81	-56
31	263	------	-23	9.0	------	9.0	------	-103	------	-388	-105	------
TOTAL	5,067.7	828.4	528.2	-1,543.4	-456.6	-941.3	6,961.4	7,206.8	-3,947.4	-9,353	-9,269	-3,606
MEAN	163	27.6	17.0	-49.8	-16.3	-30.4	232	232	-132	-302	-299	-120
MAX	290	299	127	77	74	120	507	504	182	21	-32	-11
MIN	-152	-395	-399	-426	-219	-707	-9.8	-103	-613	-983	-743	-327

CAL YR 1972 TOTAL 19,451.10 MEAN 53.1 MAX 362 MIN -961
WTR YR 1973 TOTAL -8,524.20 MEAN -23.4 MAX 507 MIN -983

02281297 Lateral Canal in Acme Drainage District, near Loxahatchee, Fla.

LOCATION.--Lat 26°28'15", long 80°16'11", in SE quarter sec.17, T.44 S., R.41 E., Palm Beach County, 3.1 mi (4.9 km) south of State Highway 80 and Loxahatchee, and 8 mi (13 km) west of Green Acres City.

PERIOD OF RECORD.--June to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height for period June to September, 18.91 ft (5.764 m) Sept. 1; minimum, 15.59 ft (4.752 m) June 15.

REMARKS.--Gage records water levels in the central portion of the Acme Drainage District. Water levels are affected by the operation of controls in the District.

GAGE HEIGHT, IN FEET, JUNE TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										16.25	18.26	18.75
2										16.20	18.07	18.88
3										16.18	17.93	18.84
4										16.17	18.01	18.80
5										16.14	17.92	18.68
6										16.10	17.88	18.56
7										16.12	17.95	18.45
8										16.36	17.97	18.34
9										16.57	18.17	18.24
10										16.64	18.18	18.13
11										16.67	18.13	18.06
12										16.69	18.03	18.05
13										16.73	17.93	17.97
14									15.60	16.81	17.86	17.91
15									15.60	17.11	17.87	17.95
16									15.66	17.12	17.85	18.12
17									15.91	17.09	17.84	18.32
18									16.01	17.08	17.81	18.67
19									16.05	17.13	17.76	18.60
20									16.10	17.12	17.78	18.46
21									16.21	17.12	18.02	18.32
22									16.27	17.68	18.44	18.26
23									16.32	18.05	18.43	18.36
24									16.34	17.95	18.36	18.55
25									16.34	17.83	18.34	18.27
26									16.32	17.73	18.25	17.87
27									16.31	17.69	18.13	17.65
28									16.37	18.16	18.02	17.55
29					------				16.36	18.54	17.95	17.48
30					------				16.32	18.57	17.94	17.40
31		------			------		------		------	18.42	18.16	------
MEAN										17.10	18.04	18.25
MAX										18.57	18.44	18.88
MIN										16.10	17.76	17.40

02281425 Equalizing Canal 1 near Delray Beach, Fla.

LOCATION.--Lat 26°27'12", long 80°12'15", in SW quarter sec.18, T.46 S., R.42 E., Palm Beach County, on the northeast wingwall of bridge on State Highway 806 at U. S. Highway 441, and 8.4 mi (13.5 km) west of U. S. Highway 1 in Delray Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 17.51 ft (5.337 m) Nov. 7; minimum, 14.72 ft (4.487 m) July 23.
Period of record: Maximum gage height, 17.84 ft (5.438 m) Mar. 8, 1970; minimum, 14.31 ft (4.362 m) Sept. 27, 1970.

REMARKS.--Gage records water levels in the central portion of the Lake Worth Drainage District. Water levels maintained by operation of numerous control structures and by pumping within the Drainage District.

WATER TEMPERATURE (°C).--Dec. 26 (0810) 18.0°; Jan. 16 (0800) 19.0°; Feb. 21 (0750) 15.5°; Mar. 19 (0745) 16.0°; Apr. 17 (0730) 23.5°; May 17 (1225) 28.0°; June 14 (0805) 29.0°; Aug. 16 (1355) 31.5°; Sept. 18 (0735) 25.5°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.90	15.48	15.58	15.59	15.65	15.44	15.62	15.48	15.55	15.45	15.23	16.11
2	16.31	15.64	15.38	15.64	15.86	15.56	15.65	15.54	15.64	15.48	15.09	15.44
3	15.60	15.68	15.66	15.68	15.89	15.50	15.57	15.64	15.62	15.73	15.19	15.59
4	15.93	15.60	15.84	15.63	15.56	15.49	15.53	15.46	15.48	15.56	15.18	15.48
5	16.08	15.67	15.83	15.67	15.35	15.43	15.51	15.57	15.39	15.41	15.48	15.57
6	15.89	15.97	15.45	15.67	15.23	15.35	15.46	15.58	15.56	15.39	15.77	15.71
7	15.64	16.92	15.28	15.69	15.31	15.44	15.63	15.61	15.56	15.48	15.64	15.69
8	15.65	15.68	15.54	15.75	15.41	15.61	15.70	15.53	15.95	15.41	15.47	15.48
9	15.74	15.15	15.37	15.77	15.58	15.68	15.68	15.60	15.89	15.34	15.60	15.33
10	15.70	15.51	15.28	15.71	15.50	15.77	15.50	15.99	15.77	15.45	15.54	15.31
11	15.62	15.61	15.24	16.09	15.22	15.53	15.65	15.93	15.69	15.73	15.46	15.49
12	15.87	15.61	15.18	15.51	15.37	15.40	15.66	15.79	15.58	15.76	15.26	15.79
13	15.75	15.69	15.34	15.47	15.56	15.29	15.61	15.63	15.50	15.74	15.27	15.64
14	15.55	15.82	15.70	15.25	15.56	15.27	15.64	15.54	15.53	15.71	15.24	15.52
15	15.62	15.96	16.06	15.41	15.88	15.34	15.53	15.56	15.59	15.83	15.30	15.69
16	15.66	15.72	16.24	15.43	15.74	15.42	15.50	15.57	15.71	15.74	15.49	15.61
17	15.67	15.34	15.72	15.46	15.36	15.63	15.45	15.49	15.82	15.60	15.51	15.65
18	15.67	15.40	15.54	15.50	15.41	15.46	15.66	15.39	15.81	15.33	15.45	15.80
19	15.68	15.67	15.40	15.45	15.79	15.27	15.74	15.51	15.87	15.26	15.39	15.79
20	15.89	15.91	15.33	15.45	15.69	15.23	15.70	15.55	16.04	15.27	15.57	15.62
21	16.17	16.04	15.82	15.51	15.34	15.48	15.64	15.53	15.99	15.20	15.77	15.58
22	15.74	15.75	16.10	15.68	15.27	15.64	15.65	15.51	15.91	15.79	15.38	15.84
23	15.63	15.82	15.49	16.08	15.48	15.60	15.63	15.53	15.84	14.91	15.69	15.79
24	15.48	15.61	15.43	16.09	15.60	15.63	15.50	15.56	16.13	15.29	16.00	15.66
25	15.63	15.67	15.62	15.74	15.49	15.68	15.49	15.55	15.91	15.55	16.01	15.34
26	15.71	15.84	15.55	15.38	15.88	16.24	15.54	15.50	15.72	15.61	15.48	15.62
27	15.68	15.81	15.29	15.37	15.88	16.31	15.62	15.69	15.69	15.66	15.50	15.78
28	15.74	15.51	15.27	15.64	15.59	16.01	15.67	15.71	15.58	15.60	15.67	15.66
29	15.84	15.46	15.40	15.83	------	15.72	15.60	15.61	15.45	15.62	15.69	15.61
30	15.61	15.52	15.60	15.36	------	15.62	15.58	15.45	15.44	15.78	15.52	15.56
31	15.33	------	15.76	15.43	------	15.53	------	15.46	------	15.44	15.95	------
MEAN	15.74	15.70	15.56	15.61	15.55	15.57	15.60	15.58	15.71	15.52	15.51	15.63
MAX	16.31	16.92	16.24	16.09	15.89	16.31	15.74	15.99	16.13	15.83	16.01	16.11
MIN	15.33	15.15	15.18	15.25	15.22	15.23	15.45	15.39	15.39	14.91	15.09	15.31

CAL YR 1972 MEAN 15.62 MAX 16.92 MIN 14.37
WTR YR 1973 MEAN 15.61 MAX 16.92 MIN 14.91

02281500 Hillsboro Canal near Deerfield Beach, Fla.

LOCATION.--Lat 26°19'39", long 80°07'52", in SW quarter sec.35, T.47 S., R.42 E., Broward County, at upstream end of lock chamber, 2 mi (3 km) west of Deerfield Beach, and 4.4 mi (7.1 km) east of State Highway 7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder, sharp crested weir, and gate opening indicator. Datum of gage is at mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder at downstream end of lock. See WSP 1905 volume 2 for history of changes.

AVERAGE DISCHARGE.--33 years, 345 cfs (9.770 cu m/s), 249,800 acre-ft/yr (308 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 2,620 cfs (74.2 cu m/s) Sept. 1; maximum gage height, 9.62 ft (2.932 m) Dec. 23 (estimated); minimum daily discharge, 20 cfs (0.57 cu m/s) estimated leakage, many days during year; minimum gage height, 2.00 ft (0.610 m) Sept. 6.

Period of record: Maximum daily discharge, 3,490 (98.8 cu m/s) Oct. 12, 1947; maximum gage height, 12.58 ft (3.834 m) Dec. 24, 1957; no flow for several days in 1939, 1940, and 1959; minimum gage height, 0.77 ft (0.235 m) Aug. 17, 1970.

REMARKS.--Records poor. Flow regulated at station for irrigation and drainage and by flood-control levee, 11 mi (18 km) above station. Lock chamber not used for navigation. Pumps above station divert water for irrigation during growing season. Since September 1952, flow materially affected by control structure 39, 11 mi (18 km) upstream. Discharge computed from relations between discharge, head, submergence, and gate openings.

COOPERATION.--Stoplog and sluice-gate-operation records furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Jan. 5 (0940) 22.5°; Jan. 31 (0945) 23.5°; Feb. 28 (1020) 18.5°; Apr. 4 (0840) 26.0°; June 29 (1030) 30.0°; July 30 (0850) 30.0°; Sept. 28 (0955) 27.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	36	20	20	20	20	20	20	20	152	770	2,620
2	224	57	20	20	23	20	20	20	20	159	660	2,400
3	310	32	20	20	61	20	20	20	20	279	589	1,210
4	328	20	20	20	54	20	20	20	20	303	486	1,170
5	404	20	36	20	20	20	20	20	20	256	457	1,120
6	353	20	46	20	20	20	20	20	20	221	560	701
7	171	1,300	26	20	20	20	20	20	20	251	552	391
8	78	1,300	20	20	20	20	20	20	20	298	505	360
9	51	356	21	20	20	20	20	20	41	352	564	309
10	27	104	21	20	20	20	20	21	63	335	584	270
11	24	111	20	134	20	20	20	31	58	434	630	237
12	81	87	20	303	20	20	20	25	44	499	552	222
13	137	76	20	24	20	20	20	20	40	542	466	130
14	86	152	21	20	20	20	20	20	38	603	405	48
15	40	211	86	20	20	20	20	20	48	641	378	147
16	21	181	121	20	35	20	20	20	84	607	385	217
17	20	43	124	20	20	20	20	20	94	509	368	220
18	21	20	52	20	20	20	20	21	97	476	323	228
19	20	20	31	20	38	20	20	20	123	410	308	274
20	20	40	22	20	160	20	20	20	296	398	301	261
21	76	140	54	20	66	20	20	20	516	350	386	174
22	62	112	189	20	22	20	20	20	410	679	559	642
23	21	85	255	25	20	20	20	20	357	888	469	742
24	20	51	132	114	20	20	20	20	374	609	510	694
25	20	28	58	94	20	20	20	20	346	459	783	640
26	20	65	38	25	62	48	20	20	292	360	665	272
27	20	101	25	20	128	132	20	38	256	326	506	277
28	20	32	20	20	42	108	20	77	247	521	425	280
29	20	20	20	21	------	52	20	52	192	533	523	206
30	20	20	20	20	------	21	20	35	167	637	438	179
31	20	------	20	20	------	20	------	28	------	697	1,110	------
TOTAL	2,842	4,840	1,598	1,200	1,031	881	600	768	4,343	13,784	16,217	16,641
MEAN	91.7	161	51.5	38.7	36.8	28.4	20.0	24.8	145	445	523	555
MAX	404	1,300	255	303	160	132	20	77	516	888	1,110	2,620
MIN	20	20	20	20	20	20	20	20	20	152	301	48
AC-FT	5,640	9,600	3,170	2,380	2,040	1,750	1,190	1,520	8,610	27,340	32,170	33,010

CAL YR 1972 TOTAL 57,675 MEAN 158 MAX 1,560 MIN 20 AC-FT 114,400
WTR YR 1973 TOTAL 64,745 MEAN 177 MAX 2,620 MIN 20 AC-FT 128,400

02281500 Hillsboro Canal near Deerfield Beach, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.09	7.59	7.78	7.78	7.43	7.82	7.34	6.33	7.77	6.45	8.18	7.07
2	8.57	7.84	7.73	8.01	8.02	7.42	7.39	6.15	7.47	6.48	7.93	4.89
3	8.87	7.71	7.72	7.98	8.46	7.37	6.98	6.10	7.25	6.92	7.76	3.39
4	8.93	7.47	7.74	7.67	8.40	7.44	6.75	6.60	7.43	7.00	7.51	2.82
5	9.15	7.32	8.26	7.40	7.92	6.98	6.70	6.69	7.35	6.84	7.43	2.42
6	9.00	7.43	8.37	7.23	7.69	6.75	5.93	6.78	7.01	6.71	7.69	3.93
7	8.36	7.63	8.15	7.07	7.38	6.84	5.92	6.82	7.01	6.82	7.68	6.07
8	7.95	6.14	8.03	6.98	7.19	7.00	6.68	6.81	7.87	6.98	7.56	5.96
9	7.80	5.90	8.12	7.23	7.33	7.24	7.47	6.93	8.33	7.16	7.70	5.79
10	7.60	8.68	8.13	7.68	7.77	7.93	7.60	7.90	8.47	7.11	7.75	5.75
11	7.57	8.71	8.03	8.66	7.33	8.08	7.38	8.25	8.44	7.38	7.86	5.79
12	7.95	8.60	7.78	8.86	6.97	7.73	7.26	8.18	8.36	7.54	7.67	5.74
13	8.24	8.54	7.58	8.15	6.94	7.34	7.03	7.81	8.32	7.65	7.46	5.89
14	7.99	8.89	7.95	8.06	7.19	7.01	6.39	7.53	8.31	7.80	7.30	7.10
15	7.72	9.13	8.58	7.80	7.62	6.75	6.31	7.65	8.37	7.88	7.23	7.67
16	7.50	9.01	8.76	7.73	8.27	6.50	6.33	7.99	8.58	7.71	7.25	7.94
17	7.45	8.31	8.77	7.58	7.73	6.78	6.54	8.07	8.63	7.35	7.20	7.95
18	7.52	7.65	8.40	7.45	7.53	7.10	6.60	8.00	8.64	7.27	7.07	7.98
19	7.25	7.18	8.25	7.35	8.02	6.90	6.51	7.65	8.78	7.08	7.01	8.14
20	7.20	8.06	8.14	7.18	8.93	6.72	6.66	7.42	8.69	7.04	6.99	8.09
21	7.93	8.85	8.40	6.97	8.48	6.83	6.87	7.25	7.87	6.87	7.24	7.78
22	7.86	8.72	9.04	6.94	8.02	6.72	7.28	6.93	7.13	7.71	7.69	7.83
23	7.36	8.59	9.28	7.89	7.60	6.56	7.27	6.41	7.18	8.24	7.47	7.22
24	7.01	8.39	8.81	8.73	7.42	6.45	7.11	6.41	7.22	7.60	7.56	6.95
25	6.62	8.21	8.44	8.63	7.73	6.33	6.78	7.04	7.14	7.22	8.21	6.16
26	6.36	8.45	8.31	8.09	8.39	7.74	6.63	7.62	6.96	6.90	7.94	5.96
27	6.45	8.67	8.16	7.74	8.79	8.82	7.06	8.27	6.84	6.94	7.56	7.66
28	6.20	8.25	7.85	7.48	8.32	8.70	7.01	8.55	6.81	7.60	7.35	7.35
29	6.10	8.03	7.66	8.01	------	8.39	6.65	8.40	6.61	7.63	6.91	7.54
30	6.15	7.83	7.78	7.73	------	7.97	6.47	8.28	6.51	7.87	6.47	7.41
31	6.63	------	7.76	7.50	------	7.56	------	8.19	------	8.01	7.72	------
MEAN	7.59	8.06	8.19	7.73	7.82	7.28	6.83	7.39	7.71	7.28	7.50	6.41
MAX	9.15	9.13	9.28	8.86	8.93	8.82	7.60	8.55	8.78	8.24	8.21	8.14
MIN	6.10	5.90	7.58	6.94	6.94	6.33	5.92	6.10	6.51	6.45	6.47	2.42

CAL YR 1972 MEAN 7.36 MAX 9.86 MIN 1.88
WTR YR 1973 MEAN 7.48 MAX 9.28 MIN 2.42

02281501 Hillsboro Canal below Deerfield Locks, near Deerfield Beach, Fla.

LOCATION.--Lat 26°19'39", long 80°07'51", in SW quarter sec.35, T.47 S., R.42 E., Broward County, at downstream end of lock chamber, 2 mi (3 km) west of Deerfield Beach, and 4.4 mi (7.1 km) east of State Highway 7.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1947 to December 1949 (incomplete), January 1950 to January 1958 and December 1959 to current year, gage heights only. Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to June 23, 1950, at site 500 ft (152 m) downstream at same datum.

EXTREMES.--Current year: Maximum gage height, 4.56 ft (1.390 m) Sept. 1; minimum, -1.33 ft (-0.405 m) June 1.
Period of record: Maximum gage height, 11.70 ft (3.566 m) estimated, Oct. 12, 1947; minimum, -1.55 ft (-0.472 m) estimated Jan. 1, 1957.

REMARKS.--Gage records water levels below lock and control structure. Stage is basically tidal, but is occasionally affected by control structure operation.

WATER TEMPERATURES (°C).--Jan. 5 (0955) 22.5°; Jan. 31 (0950) 24.0°; Feb. 28 (1025) 19.0°; Apr. 4 (0845) 26.0°; Apr. 30 (1100) 27.0°; June 1 (0950) 28.0°; June 29 (1035) 31.0°; July 31 (0850) 30.0°; Sept. 5 (0850) 27.0°; Sept. 28 (1000) 28.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.10	1.10	.35	.64	.90	.91	1.03	.62	.28	.41	1.75	4.56
2	1.04	1.14	.60	.70	.66	1.11	.96	.54	.28	.53	1.59	3.94
3	.98	.94	.75	.72	.51	.78	.99	.44	.45	.75	1.37	3.12
4	1.05	.77	.64	.54	.63	.92	.86	.40	.40	.71	1.14	2.53
5	1.49	.73	.61	.32	.43	1.01	.61	.53	.35	.86	.97	2.09
6	1.75	.73	.45	.53	.23	.96	.70	.54	.23	.78	1.09	1.70
7	1.85	2.32	.25	.61	.23	.71	.97	.48	.46	.82	1.20	1.81
8	1.62	2.60	.23	.59	.28	.69	.95	.55	.53	.90	1.11	1.65
9	1.35	1.38	.28	.84	.48	.68	.88	.59	.44	.92	1.12	1.53
10	1.20	1.00	.20	1.03	.64	.52	.70	.37	.51	.98	1.24	1.38
11	1.10	1.00	.30	1.35	.91	.47	.57	.33	.49	1.08	1.25	1.42
12	1.24	.97	.39	1.63	1.26	.39	.70	.38	.53	.92	1.13	1.53
13	1.43	1.14	.32	1.23	1.26	.48	.43	.37	.52	.92	1.11	1.37
14	1.19	1.26	.60	1.23	1.26	.72	.51	.24	.42	.90	1.15	.94
15	.89	1.27	.91	1.06	1.02	.73	.64	.05	.44	1.10	1.07	1.19
16	.99	1.26	1.04	.90	.90	.98	.57	.15	.46	1.27	1.21	1.25
17	.98	1.18	.82	1.04	.80	.90	.68	.33	.38	1.44	1.26	1.23
18	.84	1.19	1.04	1.01	.79	.63	.86	.41	.33	1.49	1.28	1.13
19	.93	1.11	.87	.99	.97	.75	.83	.31	.31	1.51	1.39	1.22
20	1.14	1.09	.83	.81	1.05	.82	.91	.32	.49	1.46	1.26	1.36
21	1.46	.91	.96	.92	1.08	.64	.99	.45	.79	1.23	1.43	1.22
22	1.65	.80	.98	.73	1.08	.60	.77	.61	.80	1.62	1.69	1.29
23	1.58	.96	.90	.49	1.04	.60	.55	.67	.80	1.82	1.54	1.25
24	1.33	1.16	.46	.54	.96	.92	.68	.66	.79	1.39	1.52	1.26
25	1.27	1.08	.51	.54	.81	1.30	.77	.66	.81	1.26	1.94	1.23
26	1.22	.77	.71	.58	.89	1.08	.81	.61	.77	1.20	1.73	1.52
27	1.03	.52	.72	.68	.81	.99	.78	.66	.63	1.14	1.56	1.31
28	.87	.37	.76	.67	.89	1.04	.85	.56	.61	1.44	1.35	1.31
29	.74	.38	.83	.54	------	1.15	.70	.37	.48	1.51	1.56	1.21
30	.98	.35	.80	.43	------	1.12	.62	.39	.45	1.75	1.42	1.24
31	.98	------	.73	.70	------	1.15	------	.41	------	1.74	2.31	------
MEAN	1.20	1.05	.64	.79	.81	.83	.76	.45	.51	1.16	1.38	1.66
MAX	1.85	2.60	1.04	1.63	1.26	1.30	1.03	.67	.81	1.82	2.31	4.56
MIN	.74	.35	.20	.32	.23	.39	.43	.05	.23	.41	.97	.94

CAL YR 1972 MEAN .87 MAX 2.60 MIN .03
WTR YR 1973 MEAN .94 MAX 4.56 MIN .05

02281513 Equalizing Canal 3 near Greenacres City, Fla.

LOCATION.--Lat 26°37'07", long 80°07'49", in SW quarter sec.23, T.44 S., R.42 E., Palm Beach County, in northwest wingwall of bridge on State Highway 802, 0.3 mi (0.5 km) southwest of Greenacres City, and 4.1 mi (6.6 km) south of the West Palm Beach Canal.

PERIOD OF RECORD.--February 1970 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 13.89 ft (4.234 m) Nov. 7; minimum, 10.07 ft (3.069 m) Nov. 9.
Period of record: Maximum gage height, 14.87 ft (4.532 m) Oct. 1, 1970; minimum, 9.91 ft (3.021 m) June 7, 1970.

REMARKS.--Gage records water levels in the north central portion of the Lake Worth Drainage District. Water levels maintained by operation of numerous control structures and by pumping within the Drainage District.

WATER TEMPERATURES (°C).--Dec. 26 (1150) 19.5°; Jan. 28 (1130) 24.0°; Feb. 21 (1150) 13.0°; Mar. 19 (1040) 18.0°; Apr. 17 (1120) 28.0°; May 17 (0840) 25.0°; June 14 (1110) 30.5°; July 19 (1220) 29.5°; Aug. 20 (1010) 27.5°; Sept. 18 (0835) 25.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.82	12.05	12.16	12.36	12.29	12.54	12.62	12.05	12.22	11.70	11.65	10.69
2	13.23	12.11	12.13	12.37	12.46	12.51	12.72	12.03	12.17	11.71	11.61	10.37
3	12.88	12.22	12.26	12.44	12.62	12.43	12.62	12.02	12.17	11.76	12.21	11.49
4	12.92	12.26	12.51	12.42	12.53	12.40	12.64	11.98	12.18	11.73	12.50	11.84
5	13.04	12.28	12.54	12.43	12.37	12.36	12.63	11.93	12.14	11.67	12.65	12.34
6	12.94	12.38	12.45	12.41	12.29	12.34	12.44	11.92	12.17	11.69	12.86	12.53
7	12.72	12.61	12.39	12.36	12.15	12.33	12.37	11.94	12.30	11.77	12.77	12.54
8	12.61	10.47	12.36	12.34	12.14	12.38	12.59	11.97	12.73	11.69	12.82	12.55
9	12.58	10.52	12.34	12.37	12.19	12.49	12.74	12.06	12.67	11.69	13.06	12.41
10	12.55	12.27	12.27	12.44	12.45	12.80	12.61	12.43	12.66	12.06	12.97	11.72
11	12.48	12.53	12.25	12.80	12.21	12.63	12.48	12.51	12.65	12.30	12.73	12.26
12	12.46	12.53	12.24	12.71	12.18	12.51	12.44	12.44	12.60	12.45	11.71	12.95
13	12.54	12.51	12.25	12.37	12.23	12.30	12.41	12.38	12.59	12.50	11.49	12.76
14	12.59	12.65	12.24	12.27	12.31	12.17	12.38	12.35	12.60	12.47	12.06	12.78
15	12.43	12.69	12.35	12.16	12.37	12.15	12.39	12.38	12.62	12.53	12.25	12.98
16	12.40	12.55	12.60	12.23	12.42	12.14	12.34	12.46	12.58	12.62	12.33	12.15
17	12.30	12.39	12.51	12.25	12.34	12.36	12.30	12.45	12.63	12.91	12.37	12.03
18	12.40	12.26	12.36	12.20	12.30	12.58	12.27	12.34	12.63	12.82	12.36	12.67
19	12.46	12.20	12.31	12.16	12.65	12.39	12.31	12.30	12.62	12.70	12.33	12.83
20	12.61	12.31	12.33	12.17	12.86	12.21	12.38	12.30	12.84	12.65	12.33	12.75
21	12.92	12.38	12.53	12.23	12.60	12.27	12.35	12.36	13.27	12.64	12.51	12.69
22	12.55	12.27	12.81	12.34	12.39	12.53	12.31	12.37	12.94	11.98	12.71	12.74
23	12.29	12.25	11.84	12.66	12.33	12.50	12.33	12.30	11.98	10.71	12.50	12.34
24	12.24	12.24	12.08	12.63	12.36	12.33	12.31	12.25	11.98	11.71	12.60	12.35
25	12.25	12.22	12.15	12.56	12.42	12.34	12.24	12.22	12.10	12.23	12.75	12.16
26	12.30	12.28	12.17	12.40	12.70	13.02	12.17	12.31	12.00	12.51	12.57	12.75
27	12.29	12.38	12.14	12.31	12.80	13.32	12.34	12.42	11.92	12.58	12.46	12.90
28	12.28	12.22	12.16	12.45	12.68	13.15	12.25	12.43	11.84	12.90	12.41	12.90
29	12.32	12.18	12.19	12.53	------	13.03	12.15	12.40	11.78	13.04	12.10	12.84
30	12.28	12.15	12.28	12.40	------	12.89	12.07	12.39	11.74	12.43	12.37	12.84
31	12.13	------	12.37	12.29	------	12.74	------	12.34	------	11.98	12.06	------
MEAN	12.54	12.21	12.31	12.39	12.42	12.52	12.41	12.26	12.38	12.20	12.39	12.37
MAX	13.23	12.69	12.81	12.80	12.86	13.32	12.74	12.51	13.27	13.04	13.06	12.98
MIN	12.13	10.47	11.84	12.16	12.14	12.14	12.07	11.92	11.74	10.71	11.49	10.37

CAL YR 1972 MEAN 12.45 MAX 15.16 MIN 10.18
WTR YR 1973 MEAN 12.37 MAX 13.32 MIN 10.37

02281544 Equalizing Canal 3 near Boca Raton, Fla.

LOCATION.--Lat 26°22'04", long 80°07'46", in SW quarter sec.14, T.47 S., R.42 E., Palm Beach County, near left bank on south side of bridge on State Highway 808, 2.7 mi (4.3 km) north of Hillsboro Canal, and 2.7 mi (4.3 km) west of Boca Raton.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 12.43 ft (3.789 m) July 14; minimum, 7.60 ft (2.316 m) Sept. 26.
Period of record: Maximum gage height, 12.98 ft (3.956 m) June 12, 13, 1970; minimum, 5.51 ft (1.679 m) July 23, 1972 (estimated).

REMARKS.--Gage records water levels in the south central portion of Lake Worth Drainage District. Water levels maintained by operation of numerous control structures and by pumping within the Drainage District.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.42	9.24	9.46	9.32	9.23	9.48	9.48	9.28	9.19	10.69	11.08	10.82
2	9.46	9.16	9.37	9.31	9.33	9.50	9.42	9.27	9.13	10.67	10.56	10.07
3	9.49	9.24	9.47	9.35	9.37	9.52	9.43	9.24	9.07	11.18	10.37	9.29
4	9.68	9.23	9.44	9.27	9.35	9.47	9.42	9.09	9.11	11.21	10.29	8.92
5	9.90	9.24	9.51	9.37	9.35	9.41	9.29	9.10	9.02	11.07	10.18	9.41
6	9.89	9.28	9.48	9.42	9.33	9.35	9.31	9.11	8.87	10.86	10.03	9.30
7	9.77	9.76	9.37	9.42	9.29	9.49	9.35	8.88	9.06	10.69	9.99	8.70
8	9.64	10.17	9.30	9.30	9.26	9.39	9.39	8.82	9.48	10.55	9.95	8.44
9	9.56	9.86	9.28	9.10	9.21	9.42	9.39	9.02	9.64	10.27	9.90	8.31
10	9.54	9.62	9.40	9.10	9.27	9.57	9.26	9.34	9.62	9.99	9.92	8.27
11	9.51	9.60	9.36	9.33	9.24	9.51	9.15	9.30	9.58	10.37	9.90	8.54
12	9.53	9.63	9.27	9.54	9.17	9.39	9.21	9.29	9.57	10.61	9.86	8.87
13	9.58	9.62	9.29	9.40	9.09	9.28	9.24	9.31	9.59	11.08	9.86	8.76
14	9.51	9.63	9.32	9.42	9.20	9.34	9.32	9.22	9.50	12.25	9.83	8.51
15	9.44	9.71	9.30	9.32	9.27	9.44	9.32	9.13	9.42	12.06	9.75	8.45
16	9.43	9.69	9.42	9.29	9.29	9.38	9.21	9.08	9.40	12.16	9.72	8.45
17	9.44	9.55	9.49	9.37	9.28	9.39	9.17	8.87	9.45	11.40	9.56	8.40
18	9.44	9.60	9.38	9.35	9.29	9.46	9.20	8.82	9.52	10.67	9.23	8.40
19	9.44	9.56	9.18	9.19	9.32	9.34	9.34	8.77	9.60	10.24	9.55	8.35
20	9.43	9.61	9.29	9.19	9.33	9.28	9.29	8.85	10.05	9.93	9.57	8.30
21	9.42	9.76	9.34	9.24	9.29	9.35	9.24	8.57	10.36	9.77	9.75	8.25
22	9.36	9.74	9.72	9.29	9.23	9.22	9.23	8.63	10.57	11.21	10.00	8.20
23	9.37	9.72	9.88	9.53	9.38	9.18	9.18	8.63	10.56	11.90	9.81	8.20
24	9.33	9.62	9.66	9.81	9.40	9.20	9.13	8.94	10.60	11.28	9.83	8.17
25	9.28	9.56	9.55	9.69	9.31	9.26	9.24	9.14	10.81	10.49	10.25	8.14
26	9.25	9.54	9.48	9.37	9.52	9.55	9.27	9.16	10.71	10.27	10.08	8.01
27	9.33	9.54	9.30	9.33	9.61	9.85	9.30	9.27	10.61	10.44	9.71	9.16
28	9.28	9.47	9.35	9.31	9.56	9.66	9.22	9.31	10.66	12.13	9.58	9.38
29	9.18	9.55	9.40	9.34	------	9.64	9.17	9.20	10.58	11.63	9.59	9.42
30	9.12	9.51	9.28	9.28	------	9.59	9.27	9.23	10.70	11.31	9.43	9.39
31	9.25	------	9.36	9.25	------	9.53	------	9.21	------	11.43	10.23	------
MEAN	9.46	9.57	9.41	9.35	9.31	9.43	9.28	9.07	9.80	10.96	9.91	8.76
MAX	9.90	10.17	9.88	9.81	9.61	9.85	9.48	9.34	10.81	12.25	11.08	10.82
MIN	9.12	9.16	9.18	9.10	9.09	9.18	9.13	8.57	8.87	9.77	9.23	8.01

CAL YR 1972 MEAN 9.94 MAX 11.43 MIN 5.60
WTR YR 1973 MEAN 9.53 MAX 12.25 MIN 8.01

02281625 El Rio Canal at Boca Raton, Fla.

LOCATION.--Lat 26°22'00", long 80°05'44", in SE quarter sec.18, T.47 S., R.43 E., Palm Beach County, on left bank 30 ft (9 m) upstream from weir, 1,000 ft (305 m) downstream from bridge on northwest 20th Street in Boca Raton, and 3.0 mi (4.8 km) upstream from the Hillsboro Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1970 to September 1972 (daily discharge and gage heights). October 1972 to current year (gage heights only).

GAGE.--Water-stage recorder and sharp-crested weir. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 5.17 ft (1.576 m) Sept. 1; minimum gage height, 1.69 ft (0.515 m) June 7.
Period of record: Maximum daily discharge, 73 cfs (2.07 cu m/s) Mar. 9, 1970, Feb. 21, 1971; maximum gage height, 5.17 ft (1.576 m) Sept. 1, 1973; no flow on many days each year; minimum gage height, 0.25 ft (0.076 m) Aug. 6, 1972 (tide affected).

REMARKS.--Elevation of weir raised in August 1972.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.97	3.17	4.09	3.52	3.01	2.98	2.72	1.93	1.82	3.65	4.40	5.10
2	3.98	3.17	4.06	3.45	3.00	2.97	2.72	1.91	1.79	3.69	4.40	5.10
3	4.02	3.15	4.02	3.42	3.01	2.95	2.70	1.88	1.77	3.81	4.40	4.96
4	4.05	3.13	4.00	3.39	3.02	2.94	2.68	1.86	1.76	3.89	4.37	4.90
5	4.07	3.11	4.01	3.37	3.01	2.90	2.65	1.84	1.75	3.93	4.37	4.86
6	4.08	3.10	3.98	3.33	2.98	2.87	2.60	1.84	1.73	3.99	4.39	4.81
7	4.07	3.45	3.95	3.31	2.93	2.83	2.53	1.80	1.79	4.05	4.42	4.76
8	4.06	3.78	3.91	3.28	2.91	2.79	2.51	1.79	2.14	4.06	4.44	4.72
9	4.02	3.92	3.89	3.25	2.88	2.76	2.50	1.78	2.27	4.07	4.45	4.69
10	3.95	4.00	3.86	3.23	2.89	2.77	2.45	1.93	2.38	4.07	4.47	4.65
11	3.89	4.05	3.85	3.26	2.89	2.76	2.42	1.94	2.42	4.14	4.46	4.65
12	3.87	4.08	3.79	3.29	2.87	2.71	2.38	1.96	2.43	4.25	4.45	4.65
13	3.88	4.08	3.76	3.28	2.84	2.66	2.36	1.96	2.43	4.34	4.47	4.61
14	3.85	4.09	3.74	3.26	2.80	2.63	2.32	1.96	2.42	4.44	4.46	4.61
15	3.80	4.10	3.73	3.26	2.82	2.59	2.28	1.97	2.42	4.44	4.47	4.62
16	3.74	4.11	3.75	3.24	2.81	2.54	2.26	1.99	2.42	4.44	4.48	4.61
17	3.68	4.10	3.73	3.20	2.79	2.54	2.24	1.99	2.45	4.45	4.47	4.60
18	3.63	4.08	3.70	3.18	2.79	2.58	2.22	1.97	2.53	4.44	4.44	4.61
19	3.58	4.07	3.66	3.14	2.82	2.55	2.20	1.95	2.66	4.42	4.44	4.64
20	3.56	4.10	3.65	3.12	2.83	2.50	2.18	1.90	2.79	4.48	4.43	4.61
21	3.55	4.18	3.62	3.11	2.80	2.47	2.16	1.85	2.97	4.48	4.44	4.59
22	3.53	4.18	3.70	3.11	2.77	2.49	2.14	1.80	3.12	4.58	4.46	4.57
23	3.49	4.18	3.71	3.19	2.75	2.48	2.11	1.78	3.19	4.60	4.46	4.61
24	3.45	4.18	3.70	3.18	2.74	2.44	2.06	1.78	3.34	4.58	4.46	4.61
25	3.40	4.17	3.70	3.12	2.73	2.41	2.01	1.83	3.54	4.54	4.46	4.62
26	3.37	4.18	3.70	3.06	2.88	2.58	1.99	1.84	3.63	4.50	4.45	4.61
27	3.32	4.19	3.68	3.04	2.93	2.64	2.00	1.87	3.69	4.50	4.44	4.59
28	3.28	4.17	3.65	3.03	2.94	2.67	2.01	1.86	3.70	4.48	4.43	4.57
29	3.27	4.15	3.61	3.05	------	2.71	1.99	1.87	3.66	4.46	4.45	4.54
30	3.24	4.11	3.58	3.05	------	2.73	1.95	1.86	3.66	4.46	4.42	4.53
31	3.19	------	3.56	3.02	------	2.73	------	1.85	------	4.42	4.66	------
MEAN	3.70	3.88	3.79	3.22	2.87	2.68	2.31	1.88	2.62	4.28	4.45	4.69
MAX	4.08	4.19	4.09	3.52	3.02	2.98	2.72	1.99	3.70	4.60	4.66	5.10
MIN	3.19	3.10	3.56	3.02	2.73	2.41	1.95	1.78	1.73	3.65	4.37	4.53

CAL YR 1972 MEAN 2.92 MAX 4.19 MIN 1.05
WTR YR 1973 MEAN 3.37 MAX 5.10 MIN 1.73

02281650 Hillsboro River at Deerfield Beach, Fla.

LOCATION.--Lat 26°18'50", long 80°04'51", in NE quarter sec.5, T.46 S., R.43 E., Broward County, at sea wall on east bank, 8 ft (2 m) south of bridge on State Highway 810, 400 ft (121 m) south of Hillsboro Canal at Deerfield Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1968 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark).

EXTREMES.--Current year: Maximum gage height, 3.14 ft (0.957 m) Oct. 22; minimum, -1.38 ft (-0.421 m) June 1.
Period of record: Maximum gage height, 3.15 ft (0.960 m) Oct. 31, 1969, Oct. 6, 1971; minimum, -1.55 ft (-0.472 m) June 28, 1969 and Apr. 24, 1970.

REMARKS.--Gage records water levels and tidal fluctuations of Intracoastal Waterway. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.08	2.13	1.28	1.59	1.96	1.75	2.18	1.89	1.87	2.00	2.38	1.63
2	1.99	1.90	1.58	1.78	1.73	2.05	2.34	1.90	1.99	1.68	2.26	1.40
3	2.02	1.90	1.84	1.75	1.64	1.90	2.41	1.95	2.00	1.97	2.02	1.23
4	2.27	1.99	1.84	1.65	1.76	2.08	2.16	2.06	1.50	1.78	1.73	1.11
5	2.75	1.89	1.68	1.61	1.56	2.19	2.11	1.60	1.77	1.83	1.42	1.11
6	3.09	1.89	1.56	1.68	1.36	2.19	2.27	1.98	1.56	1.70	1.52	1.40
7	2.92	2.37	1.31	1.75	1.36	2.14	2.15	1.78	1.51	1.64	1.49	1.61
8	2.65	2.26	1.36	1.78	1.43	1.91	2.31	1.69	1.60	1.69	1.54	1.46
9	2.25	2.10	1.29	1.97	1.60	1.87	2.16	1.68	1.48	1.72	1.57	1.62
10	2.11	2.12	1.21	2.18	1.79	1.81	1.93	1.56	1.58	1.76	1.72	1.79
11	2.06	1.98	1.18	2.34	1.73	1.66	1.54	1.47	1.61	1.83	1.50	1.95
12	2.33	1.94	1.32	2.59	2.12	1.47	1.69	1.51	1.65	1.50	1.70	2.07
13	1.93	2.07	1.15	2.41	2.32	1.41	1.56	1.49	1.73	1.45	1.89	2.12
14	1.77	2.05	1.29	2.28	2.43	1.67	1.62	1.36	1.59	1.49	1.94	1.88
15	1.89	2.09	1.83	2.43	2.24	1.82	1.70	1.36	1.66	1.67	1.97	2.00
16	1.78	2.27	1.94	2.15	2.07	2.02	1.83	1.52	1.64	2.09	1.99	1.95
17	1.77	2.34	1.83	2.39	2.14	2.00	2.04	1.70	1.09	2.17	2.15	1.85
18	1.98	2.46	2.29	2.42	2.13	1.98	2.06	1.63	1.52	2.05	2.26	1.65
19	2.28	2.59	2.45	2.37	2.23	2.15	1.99	1.19	1.53	2.35	2.51	1.70
20	2.56	2.58	2.32	2.16	2.14	2.02	2.00	1.56	1.35	2.30	2.48	1.80
21	3.13	2.40	2.54	2.32	2.09	1.80	1.60	1.60	1.24	2.02	2.59	1.60
22	3.01	2.42	2.17	2.02	2.07	1.57	1.82	1.73	1.23	1.95	2.70	1.85
23	2.84	2.52	1.93	1.62	2.10	1.75	1.57	1.72	1.35	1.84	2.60	1.80
24	2.68	2.42	1.59	1.54	1.81	2.10	1.51	1.68	1.44	1.65	2.64	1.80
25	2.48	2.48	1.55	1.31	1.64	2.02	1.60	1.57	1.42	1.92	2.84	1.85
26	2.14	2.02	1.66	1.41	1.53	1.77	1.55	1.59	1.71	2.18	2.60	2.10
27	1.79	1.52	1.62	1.46	1.55	1.80	1.65	1.69	1.64	2.27	2.61	2.00
28	1.77	1.30	1.77	1.53	1.59	2.05	1.71	1.63	1.88	2.45	2.68	2.29
29	1.75	1.34	1.63	1.41	------	1.92	1.71	1.66	1.85	2.65	2.48	2.39
30	1.78	1.23	1.69	1.33	------	2.05	1.84	1.79	1.88	2.65	2.59	2.31
31	1.95	------	1.72	1.66	------	2.05	------	2.03	------	2.50	2.56	------
MEAN	2.25	2.09	1.69	1.90	1.86	1.90	1.89	1.66	1.60	1.96	2.16	1.78
MAX	3.13	2.59	2.54	2.59	2.43	2.19	2.41	2.06	2.00	2.65	2.84	2.39
MIN	1.75	1.23	1.15	1.31	1.36	1.41	1.51	1.19	1.09	1.45	1.42	1.11

CAL YR 1972 MEAN 1.86 MAX 3.13 MIN .92
WTR YR 1973 MEAN 1.90 MAX 3.13 MIN 1.09

02281650 Hillsboro River at Deerfield Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.24	-.20	-.87	-.57	-.24	-.23	-.22	-.84	-1.39	-1.24	-.64	-1.07
2	-.29	-.47	-.75	-.52	-.44	-.10	-.36	-1.14	-1.23	-1.13	-.68	-.99
3	-.30	-.53	-.60	-.55	-.61	-.39	-.45	-1.19	-1.18	-1.11	-.75	-1.01
4	-.12	-.70	-.65	-.55	-.81	-.33	-.73	-1.16	-1.13	-1.08	-.75	-1.04
5	.07	-.40	-.71	-.62	-.77	-.37	-.92	-1.02	-1.10	-.90	-.86	-.95
6	.32	-.58	-.75	-.74	-.98	-.51	-.77	-1.04	-1.06	-.89	-.72	-.62
7	.39	-.27	-1.07	-.67	-.92	-.63	-.38	-.91	-.82	-.85	-.61	-.40
8	.07	-.19	-.77	-.50	-.81	-.72	-.48	-.72	-.78	-.64	-.57	-.77
9	-.15	-.23	-.85	-.35	-.63	-.74	-.56	-.53	-.92	-.76	-.69	-.73
10	-.04	-.22	-.89	-.01	-.57	-.85	-.58	-.82	-.89	-.53	-.51	-.81
11	.03	-.15	-.76	.14	-.19	-.86	-.60	-.84	-.93	-.56	-.72	-.71
12	.32	-.12	-.70	.10	-.07	-.94	-.57	-.87	-.81	-.86	-.87	-.69
13	.16	.14	-.71	-.17	-.22	-.94	-.72	-.99	-.84	-.96	-.69	-.79
14	-.05	.16	-.58	-.13	-.19	-.72	-.73	-1.13	-.91	-1.05	-.68	-1.02
15	-.02	.11	-.61	-.38	-.42	-.64	-.72	-1.15	-.92	-.90	-.71	-.96
16	-.19	-.06	-.56	-.65	-.56	-.39	-.85	-1.10	-.86	-.52	-.60	-.90
17	-.37	-.15	-.58	-.50	-.59	-.60	-.65	-.87	-.95	-.40	-.55	-.85
18	-.43	-.32	-.64	-.52	-.50	-.60	-.57	-.88	-.91	-.24	-.36	-.90
19	-.23	-.45	-.74	-.59	-.32	-.52	-.58	-.86	-.93	-.11	-.35	-.75
20	-.08	-.65	-.88	-.63	-.21	-.57	-.43	-.70	-.92	-.20	-.18	-.70
21	-.07	-.83	-.73	-.52	-.13	-.72	-.30	-.56	-.95	-.41	-.11	-1.05
22	-.20	-.84	-.55	-.50	-.07	-.64	-.43	-.40	-.89	-.34	-.05	-1.00
23	-.45	-.66	-.78	-.60	-.16	-.53	-.48	-.34	-.90	-.68	-.17	-1.00
24	-.57	-.56	-.95	-.74	-.18	-.12	-.22	-.35	-1.02	-1.00	-.31	-.95
25	-.50	-.24	-.74	-.53	-.26	.23	-.18	-.37	-1.11	-.91	-.25	-.90
26	-.51	-.46	-.49	-.48	-.29	.01	-.21	-.51	-1.18	-.90	-.51	-.70
27	-.46	-.68	-.33	-.44	-.30	-.05	-.19	-.57	-1.19	-.94	-.67	-.95
28	-.45	-.70	-.44	-.56	-.31	.00	-.37	-.93	-1.29	-.84	-.49	-.40
29	-.30	-.83	-.31	-.54	------	-.05	-.59	-1.17	-1.28	-.90	-.50	-.59
30	-.30	-.90	-.36	-.65	------	-.01	-.75	-1.17	-1.24	-.70	-.40	-.47
31	-.20	------	-.54	-.63	------	-.22	------	-1.23	------	-.68	-.77	------
MEAN	-.17	-.40	-.67	-.47	-.42	-.44	-.52	-.85	-1.02	-.75	-.54	-.82
MAX	.39	.16	-.31	.14	-.07	.23	-.18	-.34	-.78	-.11	-.05	-.40
MIN	-.57	-.90	-1.07	-.74	-.98	-.94	-.92	-1.23	-1.39	-1.24	-.87	-1.07

CAL YR 1972 MEAN -.56 MAX .67 MIN -1.32
WTR YR 1973 MEAN -.59 MAX .39 MIN -1.39

02282100 Cypress Creek Canal at S-37A, near Pompano Beach, Fla.

LOCATION.--Lat 26°12'20", long 80°07'57", in NW quarter sec.11, T.49 S., R.42 E., Broward County, near center of channel on upstream side of bridge on State Highway 811, 300 ft (91 m) upstream from salinity-control structure 37A, 2.4 mi (3.9 km) upstream from mouth, 2.8 mi (4.5 km) downstream from control structure 37B, 3 mi (5 km) southwest of Pompano Beach, and 3.5 mi (5.6 km) downstream from Pompano Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1962 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (State Road Department bench mark).

AVERAGE DISCHARGE.--11 years, 137 cfs (3.880 cu m/s), 99,180 acre-ft/yr (122 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 655 cfs (18.5 cu m/s) Nov. 7; maximum gage height, 4.87 ft (1.484 m) Aug. 1; no flow for many days; minimum gage height, 0.70 ft (0.213 m) Oct. 11.
Period of record: Maximum daily discharge, 1,830 cfs (51.8 cu m/s) Oct. 22, 1966; maximum gage height, 6.63 ft (2.021 m) Oct. 15, 1965; no flow on some days each year; minimum gage height, -1.20 ft (-0.366 m) Feb. 13, 1964.

REMARKS.--Records fair. Flow is regulated by the operation of salinity-control structure 37A. Flow is affected by tide and the operation of control structure 37B, 2.8 mi (4.5 km) upstream, and is occasionally reversed. Discharge computed from continuous velocity record obtained from recording deflection meter and slot gate relations.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Jan. 5 (1045) 23.0°; Feb. 5 (0955) 23.0°; Mar. 5 (1155) 20.0°; Apr. 4 (0950) 26.5°; May 4 (0955) 27.0°; June 4 (0920) 28.0°; Aug. 1 (1025) 28.0°; Sept. 5 (0805) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	116	62	87	84	15			0	5.8	538	619
2	84	125	43	68	84	100			0	156	177	467
3	216	141	29	17	88	158			0	192	126	399
4	260	141	28	12	86	175			0	47	43	430
5	225	135	36	4.8	81	176			0	35	58	357
6	162	144	35	0	78	128			0	27	220	37
7	165	655	37	0	61	87			0	10	48	240
8	97	260	43	0	60	66			0	7.1	78	108
9	28	81	42	0	60	48			0	238	289	99
10	34	114	41	0	63	38			0	20	183	101
11	81	74	43	60	61	28			0	231	234	104
12	0	110	33	93	66	37			0	180	162	105
13	57	86	31	80	54	131			0	174	174	103
14	119	129	110	71	0	164			0	396	112	153
15	113	120	137	69	0	111			0	272	58	102
16	105	147	217	71	0	78			0	78	335	121
17	138	60	95	84	0	59			0	84	82	125
18	66	52	102	86	0	44			0	270	83	132
19	79	40	139	90	0	31			0	66	84	129
20	105	67	155	89	0	23			208	54	97	122
21	154	84	151	88	0	42			136	45	353	112
22	160	72	336	93	0	128			140	470	365	111
23	160	57	185	103	0	158			129	252	159	163
24	161	42	188	103	0	108			125	219	480	254
25	166	38	159	100	0	76			119	184	376	187
26	169	53	152	93	3.2	121			116	104	345	86
27	145	118	90	91	6.3	174			40	42	331	98
28	127	87	81	92	6.3	148			15	382	286	103
29	114	77	86	95	------	50			11	82	323	100
30	101	71	87	92	------	0			8.7	145	243	92
31	104	------	86	86	------	0	------		------	325	351	------
TOTAL	3,748	3,496	3,059	2,017.8	941.8	2,702	0	0	1,047.7	4,792.9	6,793	5,359
MEAN	121	117	98.7	65.1	33.6	87.2	0	0	34.9	155	219	179
MAX	260	655	336	103	88	176	0	0	208	470	538	619
MIN	0	38	28	0	0	0	0	0	0	5.8	43	37
AC-FT	7,430	6,930	6,070	4,000	1,870	5,360	0	0	2,080	9,510	13,470	10,630

CAL YR 1972 TOTAL 40,294.00 MEAN 110 MAX 845 MIN 0 AC-FT 79,920
WTR YR 1973 TOTAL 33,957.20 MEAN 93.0 MAX 655 MIN 0 AC-FT 67,350

02282100 Cypress Creek Canal at S-37A, near mpano Beach, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.48	3.83	3.53	3.68	3.66	3.15	3.55	3.69	3.48	3.08	3.81	3.50
2	3.66	3.88	3.40	3.56	3.67	3.75	3.51	4.01	3.86	3.12	3.60	3.60
3	3.64	3.97	3.31	3.20	3.69	4.08	3.47	4.07	4.04	3.48	3.50	3.57
4	3.59	3.97	3.29	3.15	3.68	4.21	3.40	3.69	4.06	3.43	3.41	3.51
5	3.64	3.94	3.36	3.31	3.65	4.22	3.32	3.42	3.73	3.35	3.51	3.45
6	3.67	3.99	3.35	3.91	3.63	3.90	3.25	3.21	3.47	3.29	3.62	3.36
7	3.83	3.68	3.37	4.21	3.52	3.68	3.19	3.13	3.40	3.13	3.44	3.56
8	3.72	3.27	3.41	4.34	3.52	3.55	3.15	3.67	3.68	3.09	3.62	3.53
9	3.30	3.46	3.40	4.32	3.52	3.44	3.12	3.96	3.72	3.29	3.69	3.74
10	3.34	3.51	3.39	3.98	3.54	3.37	3.06	3.74	3.71	3.22	3.51	3.75
11	2.68	3.58	3.41	3.79	3.52	3.29	3.00	3.55	3.65	3.43	3.57	3.77
12	3.11	3.46	3.34	3.71	3.56	3.35	3.03	3.35	3.57	3.51	3.54	3.77
13	4.02	3.51	3.31	3.64	3.69	3.92	3.70	3.20	3.48	3.52	3.59	3.77
14	3.85	3.57	3.59	3.59	3.47	4.12	4.06	3.18	3.39	3.53	3.54	3.72
15	3.82	3.68	3.57	3.57	3.35	3.81	4.21	3.74	3.43	3.47	3.51	3.59
16	3.78	3.54	3.39	3.59	3.32	3.63	4.18	3.92	3.87	3.63	3.46	3.86
17	3.98	3.51	3.64	3.66	3.24	3.51	3.76	3.60	4.17	3.66	3.65	3.88
18	3.55	3.47	3.76	3.68	3.19	3.41	3.49	3.35	4.17	3.59	3.66	3.92
19	3.64	3.39	3.76	3.70	3.17	3.32	3.29	3.18	3.88	3.55	3.67	3.90
20	3.77	3.00	3.74	3.69	3.16	3.25	3.15	3.03	3.65	3.48	3.73	3.87
21	4.04	3.66	3.52	3.69	3.16	3.38	3.03	3.04	3.87	3.42	3.71	3.81
22	4.09	3.50	3.53	3.71	3.13	3.90	2.95	3.54	3.77	3.59	3.42	3.81
23	4.09	3.50	3.64	3.76	3.09	4.08	2.89	3.83	3.91	3.62	3.76	3.65
24	4.10	3.40	3.59	3.76	3.05	3.79	2.96	4.00	3.88	3.64	3.61	3.57
25	4.13	3.37	3.55	3.75	3.04	3.62	3.57	3.85	3.69	3.76	3.60	3.40
26	4.16	3.47	3.54	3.71	3.06	3.88	3.93	3.66	3.84	3.51	3.54	3.67
27	3.99	3.84	3.31	3.70	3.08	4.20	4.10	3.72	3.37	3.40	3.60	3.74
28	3.89	3.68	3.65	3.71	3.08	4.02	3.71	3.76	3.18	3.46	3.55	3.77
29	3.82	3.62	3.67	3.72	------	3.67	3.36	3.70	3.14	3.63	3.58	3.75
30	3.75	3.58	3.68	3.71	------	3.64	3.29	3.60	3.11	3.75	3.51	3.70
31	3.77	------	3.68	3.67	------	3.59	------	3.48	------	3.70	3.56	------
MEAN	3.74	3.59	3.51	3.72	3.37	3.70	3.42	3.58	3.67	3.46	3.58	3.68
MAX	4.16	3.99	3.76	4.34	3.69	4.22	4.21	4.07	4.17	3.76	3.81	3.92
MIN	2.68	3.00	3.29	3.15	3.04	3.15	2.89	3.03	3.11	3.08	3.41	3.36

CAL YR 1972 MEAN 3.60 MAX 5.20 MIN 2.11
WTR YR 1973 MEAN 3.59 MAX 4.34 MIN 2.68

02282300 Intracoastal Waterway at Lauderdale-by-the-Sea, Fla.

LOCATION.--Lat 26°11'23", long 80°06'13", in NW quarter sec.18, T.49 S., R.43 E., Broward County, on sea wall on west bank, 25 ft (7.6 m) north of bridge on N.E. 50th Street in Lauderdale-by-the-Sea.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1968 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 3.26 ft (0.994 m) Oct. 22; minimum, -1.76 ft (-0.536 m) June 1.
Period of record: Maximum gage height, 3.31 ft (1.009 m) Oct. 22, 1972; minimum, -1.89 ft (-0.576 m) Dec. 20, 1968.

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway. The stage published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.24	2.16	1.34	1.73	2.01	1.80	2.28	2.12	2.05	2.13	2.54	2.16
2	2.05	2.25	1.59	1.87	1.85	2.13	2.46	2.12	2.22	2.23	2.26	1.93
3	2.09	2.12	1.89	1.97	1.76	2.10	2.68	2.19	2.17	2.19	2.07	1.65
4	2.32	2.19	1.96	1.85	1.97	2.33	2.46	2.29	2.16	1.89	1.81	1.46
5	2.64	2.06	1.76	1.81	1.73	2.47	2.30	2.15	1.95	2.01	1.43	1.64
6	2.99	2.09	1.72	1.86	1.59	2.33	2.38	2.21	1.73	1.81	1.47	1.96
7	3.21	2.32	1.54	1.99	1.55	2.35	2.37	2.01	1.70	1.76	1.37	1.87
8	3.00	2.18	1.49	2.03	1.59	2.10	2.48	1.83	1.78	1.63	1.48	1.93
9	2.78	2.04	1.41	2.14	1.75	1.97	2.26	1.82	1.52	1.74	1.51	2.08
10	2.40	2.20	1.38	2.18	1.97	2.01	1.99	1.55	1.62	1.71	1.71	2.27
11	2.22	2.10	1.33	2.28	1.80	1.78	1.60	1.57	1.73	1.80	1.52	2.38
12	2.09	1.98	1.42	2.57	2.12	1.60	1.77	1.62	1.76	1.56	1.73	2.65
13	2.41	2.12	1.41	2.30	2.38	1.53	1.66	1.61	1.74	1.53	1.99	2.64
14	2.03	2.10	1.49	2.32	2.54	1.80	1.88	1.52	1.71	1.64	2.02	2.42
15	1.85	2.11	1.98	2.46	2.44	2.02	1.84	1.50	1.84	1.72	2.02	2.55
16	1.86	2.26	1.83	2.31	2.29	2.27	1.97	1.70	1.74	2.12	2.10	2.64
17	1.87	2.43	1.86	2.52	2.36	2.24	2.23	1.85	1.59	2.22	2.18	2.39
18	1.94	2.54	2.47	2.66	2.40	2.22	2.11	1.70	1.56	2.27	2.40	2.18
19	2.23	2.75	2.67	2.62	2.48	2.36	2.14	1.66	1.56	2.33	2.47	2.13
20	2.49	2.82	2.60	2.44	2.31	2.25	2.05	1.65	1.41	2.36	2.29	2.28
21	2.73	2.64	2.88	2.64	2.20	1.98	2.03	1.67	1.35	2.11	2.41	2.20
22	3.26	2.58	2.37	2.20	2.19	1.80	1.85	1.77	1.23	1.95	2.41	2.38
23	3.21	2.68	2.19	1.82	2.31	1.79	1.65	1.77	1.31	1.82	2.29	2.55
24	3.18	2.48	1.88	1.60	1.94	1.82	1.58	1.75	1.46	1.66	2.25	2.61
25	2.95	2.74	1.76	1.37	1.71	2.07	1.71	1.66	1.63	1.95	2.48	2.80
26	2.80	2.16	1.83	1.43	1.61	2.11	1.71	1.66	1.75	2.18	2.30	2.65
27	2.41	1.70	1.70	1.47	1.58	1.73	1.70	1.77	1.67	2.30	2.44	2.61
28	2.03	1.37	1.85	1.53	1.58	1.78	1.73	1.77	1.90	2.57	2.44	2.47
29	2.00	1.38	1.67	1.51	------	1.97	1.86	1.77	1.96	2.83	2.39	2.48
30	1.94	1.28	1.76	1.38	------	1.99	2.02	1.95	2.08	2.76	2.23	2.25
31	1.99	------	1.82	1.75	------	2.08	------	2.20	------	2.59	2.23	------
MEAN	2.43	2.19	1.83	2.02	2.00	2.03	2.03	1.82	1.73	2.04	2.07	2.27
MAX	3.26	2.82	2.88	2.66	2.54	2.47	2.68	2.29	2.22	2.83	2.54	2.80
MIN	1.85	1.28	1.33	1.37	1.55	1.53	1.58	1.50	1.23	1.53	1.37	1.46

CAL YR 1972 MEAN 1.97 MAX 3.26 MIN 1.10
WTR YR 1973 MEAN 2.04 MAX 3.26 MIN 1.23

02282300 Intracoastal Waterway at Lauderdale-by-the-Sea, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.29	-.31	-1.02	-.68	-.48	-.41	-.49	-1.20	-1.76	-1.62	-.86	-.73
2	-.45	-.35	-1.05	-.67	-.74	-.36	-.72	-1.50	-1.64	-1.49	-.86	-.64
3	-.52	-.61	-.82	-.82	-1.04	-.71	-.88	-1.64	-1.51	-1.37	-.91	-.63
4	-.40	-.62	-.80	-.91	-1.10	-.58	-1.07	-1.57	-1.38	-1.28	-.91	-.59
5	-.29	-.86	-.89	-.96	-1.13	-.74	-1.23	-1.36	-1.35	-.92	-.96	-.45
6	-.14	-.77	-.96	-.99	-1.37	-.92	-1.16	-1.37	-1.27	-.97	-.81	-.13
7	.13	-.48	-1.25	-.96	-1.28	-1.00	-.67	-1.20	-1.00	-.83	-.80	-.09
8	.18	-.52	-1.02	-.72	-1.09	-1.05	-.70	-.92	-.93	-.76	-.66	-.28
9	-.05	-.46	-1.01	-.50	-.86	-1.03	-.66	-.79	-1.03	-.77	-.79	-.40
10	-.18	-.22	-1.03	-.26	-.80	-1.10	-.80	-1.04	-.98	-.58	-.67	-.39
11	-.16	-.21	-.90	-.11	-.51	-1.04	-.73	-1.05	-.96	-.59	-.90	-.32
12	-.18	-.11	-.81	-.14	-.36	-1.07	-.77	-1.09	-.93	-.98	-1.01	-.27
13	.27	.10	-.79	-.48	-.53	-.85	-.92	-1.21	-.93	-1.06	-.81	-.41
14	.11	.07	-.66	-.47	-.50	-.86	-.95	-1.35	-1.05	-1.17	-.78	-.71
15	-.01	-.05	-.81	-.91	-.76	-.71	-1.03	-1.44	-.94	-.97	-.79	-.70
16	-.07	-.26	-1.03	-.94	-.90	-.62	-1.14	-1.37	-1.04	-.71	-.69	-.73
17	-.26	-.56	-1.05	-.89	-.96	-.87	-.99	-1.05	-1.07	-.55	-.66	-.64
18	-.34	-.56	-1.10	-.90	-.91	-.92	-.88	-1.12	-.99	-.43	-.47	-.70
19	-.45	-.80	-1.13	-1.00	-.69	-.85	-.82	-1.06	-1.08	-.28	-.51	-.64
20	-.54	-.96	-1.26	-1.01	-.53	-.80	-.70	-.86	-1.10	-.29	-.51	-.46
21	-.43	-1.22	-1.06	-.87	-.39	-.87	-.54	-.71	-1.03	-.48	-.43	-.57
22	-.49	-1.23	-.86	-.81	-.18	-.88	-.59	-.51	-1.00	-.42	-.35	-.52
23	-.56	-1.04	-1.16	-.94	-.25	-.79	-.63	-.43	-1.05	-.82	-.55	-.42
24	-.70	-.90	-1.18	-1.03	-.24	-.27	-.28	-.41	-1.14	-1.04	-.73	-.55
25	-.80	-.51	-.92	-.76	-.35	.12	-.22	-.46	-1.23	-.92	-.72	-.47
26	-.69	-.69	-.65	-.63	-.35	-.01	-.27	-.64	-1.26	-1.00	-.93	-.70
27	-.63	-.82	-.51	-.55	-.41	-.08	-.36	-.70	-1.47	-1.09	-1.02	-.74
28	-.57	-.90	-.57	-.72	-.37	-.07	-.55	-1.05	-1.60	-.95	-.96	-.73
29	-.49	-1.03	-.44	-.78	------	-.15	-.80	-1.35	-1.75	-1.02	-.97	-.67
30	-.36	-1.03	-.49	-.83	------	-.12	-1.02	-1.53	-1.68	-.87	-.98	-.53
31	-.31	------	-.61	-.75	------	-.35	------	-1.52	------	-.92	-.91	------
MEAN	-.31	-.60	-.90	-.74	-.68	-.64	-.75	-1.08	-1.21	-.88	-.77	-.53
MAX	.27	.10	-.44	-.11	-.18	.12	-.22	-.41	-.93	-.28	-.35	-.09
MIN	-.80	-1.23	-1.26	-1.03	-1.37	-1.10	-1.23	-1.64	-1.76	-1.62	-1.02	-.74

CAL YR 1972 MEAN -.74 MAX .27 MIN -1.79
WTR YR 1973 MEAN -.76 MAX .27 MIN -1.76

02282700 Middle River Canal at S-36, near Fort Lauderdale, Fla.

LOCATION.--Lat 26°10'22", long 80°10'47", in NW quarter sec.20, T.49 S., R.42 E., Broward County, 20 ft (6.1 m) from south bank, 120 ft (37 m) upstream from salinity control structure 36, 1.5 mi (2.4 km) east of bridge on U. S. Highway 441, and 5 mi (8 km) west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to September 1961 (gage heights only), October 1961 to current year.

GAGE.--Water-stage recorder, deflection-meter recorder and gate opening indicator. Datum of gage is at mean sea level. Since Mar. 27, 1962, deflection-meter recorder at same site.

AVERAGE DISCHARGE.--12 years, 24.4 cfs (0.691 cu m/s), 17,660 acre-ft/yr (21.8 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge during year, 388 cfs (11.0 cu m/s) Nov. 7; maximum gage height, 5.62 ft (1.713 m) Sept. 24, no flow for many days; minimum gage height, 2.92 ft (0.890 m) Nov. 8.
Period of record: Maximum daily discharge, 809 cfs (22.9 cu m/s) July 5, 1966; maximum gage height, 7.38 ft (2.249 m) Dec. 27, 1958; maximum reverse flow, 61 cfs (1.73 cu m/s) Oct. 8, 1963; no flow for many days each year; minimum gage height, -0.53 ft (-0.162 m) June 28, 1958.

REMARKS.--Records fair. Flow is at times affected by tide and occasionally reversed. Flow is regulated by operation of salinity control structure 36.

COOPERATION.--Gage height and S-36 gate operation records furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE(°C).--Jan. 5 (0910) 22.5°; Feb. 5 (1110) 21.5°; Mar. 5 (1130) 20.0°; Apr. 5 (1335) 26.0°; May 4 (0925) 27.0°; June 4 (0945) 27.0°; June 29 (0905) 29.5°; Sept. 5 (0745) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0							0	0	106
2	21	0	0							96	0	210
3	66	0	0							229	0	202
4	67	0	0							46	0	84
5	66	0	0							46	0	78
6	63	0	0							46	0	99
7	59	388	0							46	0	63
8	59	198	0							46	0	42
9	26	0	0							47	0	42
10	0	0	0							46	0	17
11	0	0	0							54	0	0
12	0	0	0							62	0	0
13	0	0	0							62	0	0
14	0	0	0							61	0	0
15	0	0	0							60	0	232
16	0	0	225							58	0	140
17	0	0	281							48	0	135
18	0	0	167							25	0	71
19	0	0	0							0	0	29
20	0	0	0							0	0	29
21	0	0	0							0	0	30
22	0	0	0							0	247	30
23	0	0	0							92	151	31
24	0	0	0							139	150	271
25	0	0	0							131	145	96
26	0	0	0							123	148	101
27	0	0	0							41	149	75
28	0	0	0							0	84	59
29	0	0	0		------					0	9.8	58
30	0	0	0		------					0	157	58
31	0	------	0		------		------		------	0	15	------
TOTAL	427	586	673	0	0	0	0	0	0	1,604	1,255.8	2,388
MEAN	13.8	19.5	21.7	0	0	0	0	0	0	51.7	40.5	79.6
MAX	67	388	281	0	0	0	0	0	0	229	247	271
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	847	1,160	1,330	0	0	0	0	0	0	3,180	2,490	4,740

CAL YR 1972 TOTAL 13,655.00 MEAN 37.3 MAX 428 MIN 0 AC-FT 27,080
WTR YR 1973 TOTAL 6,933.80 MEAN 19.0 MAX 388 MIN 0 AC-FT 13,750

02282700 Middle River Canal at S-36, near Fort Lauderdale, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.03	4.36	4.89	4.81	4.45	4.02	4.98	3.73	4.02	5.01	4.84	5.24
2	5.02	4.36	4.81	4.81	4.44	4.03	4.95	3.73	3.91	5.01	4.86	4.82
3	4.76	4.40	4.80	4.84	4.38	3.99	5.08	3.73	3.85	4.54	4.87	4.45
4	4.63	4.41	4.80	4.78	4.37	3.95	5.02	3.76	3.78	4.79	4.83	4.49
5	4.55	4.52	4.83	4.75	4.42	3.91	4.93	3.75	3.71	4.86	4.74	4.67
6	4.51	4.65	4.84	4.70	4.48	3.91	4.78	3.78	3.62	4.88	4.68	4.61
7	4.42	4.45	4.80	4.66	4.50	3.99	4.67	3.79	3.66	4.93	4.58	4.54
8	4.31	3.51	4.78	4.64	4.35	4.08	4.64	3.79	3.97	4.93	4.67	4.52
9	4.24	4.29	4.87	4.59	4.24	4.07	4.59	4.05	3.99	4.95	4.97	4.48
10	4.36	4.61	4.87	4.53	4.22	4.09	4.49	4.62	3.94	4.87	5.27	4.48
11	4.43	4.75	4.86	4.69	4.15	4.09	4.36	4.62	3.90	4.82	5.33	4.61
12	4.49	4.86	4.86	4.85	4.11	4.09	4.25	4.44	3.85	4.78	5.30	4.65
13	4.52	5.02	4.86	4.88	4.11	4.07	4.13	4.30	3.82	4.69	5.27	4.84
14	4.47	5.12	5.12	4.83	4.05	4.03	3.98	4.25	3.85	4.63	5.32	4.92
15	4.50	5.26	5.28	4.83	3.99	3.99	3.92	4.44	3.83	4.58	5.26	4.93
16	4.47	5.33	5.19	4.79	3.95	4.05	3.87	4.46	3.79	4.56	5.25	4.70
17	4.43	5.33	4.76	4.70	3.89	4.06	3.80	4.45	3.87	4.59	5.20	4.42
18	4.43	5.28	4.76	4.69	3.84	4.06	3.75	4.34	3.90	4.51	5.13	4.36
19	4.40	5.20	4.88	4.71	3.88	4.03	3.72	4.22	4.13	4.52	5.13	4.75
20	4.42	5.16	4.95	4.65	3.92	4.00	3.62	4.19	4.59	4.52	5.16	5.10
21	4.47	5.07	4.95	4.63	3.89	4.32	3.63	4.14	4.88	4.47	5.27	5.11
22	4.45	5.05	5.10	4.64	3.89	4.39	3.61	4.09	5.01	4.78	5.07	5.13
23	4.47	5.09	5.24	4.76	3.86	4.34	3.59	3.99	5.06	4.88	4.78	5.44
24	4.46	5.01	5.26	4.84	3.75	4.31	3.54	3.86	5.11	4.33	4.63	5.19
25	4.44	4.99	5.16	4.75	3.76	4.31	3.51	3.88	5.09	3.98	4.59	5.08
26	4.42	5.03	5.10	4.66	3.85	4.78	3.50	3.95	5.14	3.66	4.54	5.17
27	4.38	5.03	5.06	4.56	4.01	5.02	3.60	4.07	5.20	3.62	4.48	5.11
28	4.36	5.01	4.95	4.56	4.01	5.08	3.66	4.13	5.18	4.35	4.47	5.02
29	4.38	4.98	4.91	4.54	------	5.09	3.74	4.15	5.10	4.56	4.63	4.97
30	4.40	4.93	4.88	4.49	------	5.04	3.76	4.12	5.01	4.75	4.07	4.88
31	4.38	------	4.86	4.45	------	4.98	------	4.07	------	4.83	4.73	------
MEAN	4.48	4.84	4.94	4.70	4.10	4.26	4.12	4.09	4.29	4.62	4.90	4.82
MAX	5.03	5.33	5.28	4.88	4.50	5.09	5.08	4.62	5.20	5.01	5.33	5.44
MIN	4.24	3.51	4.76	4.45	3.75	3.91	3.50	3.73	3.62	3.62	4.07	4.36

CAL YR 1972 MEAN 4.68 MAX 5.42 MIN 3.28
WTR YR 1973 MEAN 4.52 MAX 5.44 MIN 3.50

02283200 Plantation Road Canal at S-33, near Fort Lauderdale, Fla.

LOCATION.--Lat 26°08'05", long 80°11'42", in SW quarter sec.31, T.49 S., R.42 E., Broward County, 15 ft (5 m) streamward from left bank, 130 ft (40 m) upstream from salinity-control structure 33, 0.5 mi (0.8 km) east of bridge on U. S. Highway 441, 3 mi (5 km) above mouth, and 4 mi (6 km) west of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1955 to February 1962 (gage heights only), March 1962 to current year. Published since October 1961.

GAGE.--Water-stage recorder, deflection-meter recorder and gate opening indicator. Datum of gage is at mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--11 years, 23.8 cfs (0.670 cu m/s), 17,230 acre-ft/yr (21.2 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 159 cfs (4.50 cu m/s) July 2; maximum gage height, 4.59 ft (1.399 m) July 19; no flow for many days; minimum gage height, 1.00 ft (0.305 m) July 3.
Period of record: Maximum discharge, 480 cfs (13.6 cu m/s) Feb. 16, 1963; maximum gage height, 6.05 ft (1.844 m) Apr. 19, 1957; maximum reverse flow, 157 cfs (4.45 cu m/s) Sept. 8, 1956; no flow on some days each year; minimum gage height, -0.82 ft (-0.250 m) Mar. 4, 1958.

REMARKS.--Records good. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by operation of salinity control structure 33.

COOPERATION.--Gage height and salinity-control structure 33 gate-operation records furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Jan. 5 (0840) 23.5°; Feb. 5 (1255) 24.0°; Apr. 5 (1355) 25.0°; May 4 (0900) 26.0°; June 4 (1030) 25.5°; June 29 (0905) 29.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.20	32	39	19	16	33		0	91	29	80
2	0	.10	32	38	19	0	31		0	159	24	62
3	0	1.2	30	37	20	0	28		0	76	18	59
4	0	0	30	36	19	0	27		0	40	17	55
5	19	0	30	27	18	0	25		0	41	16	52
6	26	0	29	22	17	0	24		0	41	15	51
7	16	80	29	22	17	0	22		0	41	14	49
8	8.4	13	29	22	18	0	22		0	39	24	45
9	16	36	28	22	19	0	22		0	39	32	42
10	12	51	28	23	21	0	21		0	34	69	39
11	24	7.6	28	26	20	0	19		0	33	67	38
12	10	3.6	26	26	19	0	16		0	29	64	37
13	0	36	26	24	18	0	16		0	23	62	35
14	0	19	30	25	17	0	15		0	23	57	34
15	0	33	58	26	18	0	15		0	24	51	43
16	0	30	46	26	17	0	14		0	25	47	43
17	0	31	36	26	17	0	13		0	25	44	42
18	0	31	32	25	17	0	12		0	24	40	39
19	0	32	32	25	18	0	11		0	23	39	57
20	0	32	32	24	18	0	11		52	22	38	74
21	0	32	35	23	18	0	11		70	22	44	65
22	0	32	53	24	17	0	11		62	29	69	66
23	0	31	43	24	16	0	11		55	29	41	75
24	0	30	41	24	16	0	6.5		58	28	46	69
25	0	31	49	23	16	0	0		59	24	48	74
26	0	34	49	23	18	44	0		66	23	46	70
27	0	35	45	24	18	39	0		95	25	43	65
28	0	34	41	24	17	38	0		96	33	41	60
29	7.3	34	40	26	------	36	0		91	32	43	56
30	0	34	39	23	------	35	0		87	31	41	54
31	0	------	39	21	------	34	------		------	30	47	------
TOTAL	138.7	763.70	1,117	800	502	242	436.5	0	791	1,158	1,276	1,630
MEAN	4.47	25.5	36.0	25.8	17.9	7.81	14.6	0	26.4	37.4	41.2	54.3
MAX	26	80	58	39	21	44	33	0	96	159	69	80
MIN	0	0	26	21	16	0	0	0	0	22	14	34
AC-FT	275	1,510	2,220	1,590	996	480	866	0	1,570	2,300	2,530	3,230

CAL YR 1972 TOTAL 10,827.20 MEAN 29.6 MAX 159 MIN 0 AC-FT 21,480
WTR YR 1973 TOTAL 8,854.90 MEAN 24.3 MAX 159 MIN 0 AC-FT 17,560

02283200 Plantation Road Canal at S-33, near Fort Lauderdale, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.35	3.25	3.60	3.24	3.24	3.14	3.61	3.26	3.42	4.15	3.49	3.43
2	3.35	3.28	3.57	3.23	3.24	3.15	3.56	3.25	3.39	3.19	3.37	3.56
3	3.38	3.30	3.54	3.21	3.27	3.34	3.47	3.25	3.34	2.75	3.20	3.51
4	3.37	3.44	3.54	3.19	3.23	3.44	3.45	3.23	3.37	3.90	3.16	3.46
5	3.16	3.44	3.53	3.23	3.19	3.49	3.40	3.26	3.33	3.95	3.14	3.42
6	3.29	3.49	3.51	3.32	3.18	3.49	3.35	3.30	3.34	3.95	3.11	3.41
7	3.31	3.39	3.51	3.31	3.18	3.49	3.32	3.36	3.43	3.93	3.08	3.38
8	3.42	3.44	3.50	3.30	3.20	3.47	3.32	3.39	3.59	3.86	3.37	3.32
9	3.40	3.39	3.49	3.31	3.22	3.43	3.32	3.75	3.70	3.84	3.60	3.28
10	3.42	3.25	3.48	3.33	3.28	3.44	3.28	4.31	3.74	3.66	3.69	3.24
11	3.34	3.42	3.47	3.43	3.26	3.43	3.22	4.21	3.79	3.64	3.64	3.23
12	3.37	3.55	3.43	3.41	3.23	3.39	3.15	4.17	3.74	3.51	3.58	3.22
13	3.36	3.31	3.42	3.37	3.19	3.35	3.13	4.11	3.76	3.35	3.55	3.18
14	3.31	3.57	3.54	3.39	3.17	3.32	3.12	4.06	3.88	3.35	3.50	3.16
15	3.21	3.61	3.51	3.42	3.19	3.28	3.10	4.17	3.89	3.37	3.41	3.29
16	3.29	3.54	3.33	3.43	3.18	3.24	3.08	4.16	3.91	3.40	3.35	3.30
17	3.42	3.56	3.20	3.41	3.16	3.27	3.04	4.09	4.10	3.38	3.31	3.28
18	3.41	3.57	3.14	3.39	3.15	3.29	3.01	4.00	4.13	3.36	3.26	3.25
19	3.40	3.58	3.13	3.38	3.19	3.26	2.98	3.87	4.25	3.33	3.23	3.20
20	3.41	3.60	3.14	3.36	3.21	3.21	2.97	3.78	4.09	3.30	3.23	3.53
21	3.50	3.60	3.19	3.33	3.19	3.68	2.96	3.68	3.70	3.30	3.31	3.61
22	3.53	3.59	3.44	3.35	3.15	3.80	2.97	3.61	3.57	3.51	2.80	3.63
23	3.54	3.55	3.30	3.37	3.13	3.80	2.96	3.55	3.47	3.51	3.27	3.80
24	3.54	3.53	3.27	3.36	3.12	3.78	2.95	3.51	3.50	3.46	3.34	3.68
25	3.55	3.57	3.38	3.33	3.15	3.77	3.05	3.50	3.51	3.36	3.36	3.78
26	3.55	3.68	3.38	3.34	3.18	4.09	3.10	3.54	3.64	3.34	3.34	3.70
27	3.55	3.69	3.32	3.36	3.19	3.86	3.23	3.59	4.26	3.41	3.30	3.61
28	3.55	3.67	3.27	3.37	3.16	3.82	3.30	3.59	4.32	3.61	3.27	3.53
29	3.49	3.65	3.26	3.41	------	3.76	3.31	3.56	4.14	3.57	3.29	3.48
30	3.34	3.64	3.24	3.34	------	3.70	3.28	3.52	4.04	3.55	3.27	3.44
31	3.29	------	3.24	3.29	------	3.64	------	3.46	------	3.54	3.34	------
MEAN	3.40	3.51	3.38	3.34	3.19	3.50	3.20	3.68	3.74	3.53	3.33	3.43
MAX	3.55	3.69	3.60	3.43	3.28	4.09	3.61	4.31	4.32	4.15	3.69	3.80
MIN	3.16	3.25	3.13	3.19	3.12	3.14	2.95	3.23	3.33	2.75	2.80	3.16

CAL YR 1972 MEAN 3.41 MAX 4.19 MIN 2.52
WTR YR 1973 MEAN 3.44 MAX 4.32 MIN 2.75

02283498 North New River Canal at S-2 and HGS-4, near South Bay, Fla.

LOCATION.--Lat 26°24'00", long 80°42'55", in SW quarter sec.35, T.43 S., R.36 E., Palm Beach County, at pump station 2 and hurricane gate structure 4, 500 ft (152 m) upstream from Hillsboro Canal, and 2.7 mi (4.3 km) north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to September 1967 (gage heights only), October 1967 to current year.

GAGE.--Dual water-stage recorder in pump station 2. Gate-opening indicator, and pump tachometer. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Jan. 18, 1965, water-stage recorder at site 1,600 ft (487 m) downstream at same datum.

AVERAGE DISCHARGE.--6 years, -56.2 cfs (-1.592 cu m/s), -40,690 acre-ft/yr (-50.2 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,750 cfs (49.6 cu m/s) Apr. 28; maximum gage height, 12.91 ft (3.935 m) Aug. 10; maximum daily reverse flow, 3,910 cfs (111 cu m/s) July 23; no flow for many days; minimum gage height, 9.64 ft (2.938 m) Aug. 26.
Period of record: Maximum daily discharge, 2,450 cfs (69.4 cu m/s) Mar. 20, 1969; maximum gage height, 14.09 ft (4.295 m) Sept. 28, 1962; maximum daily reverse flow, 3,910 cfs (111 cu m/s) July 23, 1973; no flow for some days each year; minimum gage height, 8.60 ft (2.621 m) Sept. 23, 1960.

REMARKS.--Records good. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Discharge is summation of HGS-4 flow and S-2 pumpage. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades or by the operation of pump station No. 2 (negative figures indicate flow reversed). See records for North New River Canal below HGS-4, near South Bay (station 02283500) for table of daily gage height. Discharge computed from relations between discharge, head, gate openings, and pump tachometer.

COOPERATION.--S-2 pump record and HGS-4 gate-operation record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	367	963	98	0	-150	372	0	929	-236	0	-1,120	-305
2	584	897	220	-35	-706	341	141	1,540	-887	0	-932	-436
3	885	923	207	0	-708	386	276	1,560	0	-570	-1,580	-407
4	406	934	195	206	0	377	209	1,620	0	-1,260	-1,960	-397
5	-529	922	193	329	0	484	216	1,700	251	-1,270	-2,100	-392
6	0	702	192	354	0	663	493	1,540	624	-598	-1,930	-247
7	0	512	204	339	0	696	500	1,450	417	-1,070	-1,570	-285
8	0	-345	283	319	0	621	552	1,530	0	-1,040	-1,580	0
9	227	0	388	275	-35	257	572	1,540	0	-675	-913	0
10	570	230	365	208	0	-2,100	615	629	0	-448	-1,580	0
11	726	381	358	-735	0	-891	625	107	442	-1,330	-907	-187
12	615	378	478	-381	0	-192	663	380	578	-659	-195	-214
13	487	449	612	0	0	-32	832	373	601	-550	-666	0
14	479	-136	571	0	0	0	886	493	385	0	-360	0
15	490	-942	564	0	0	93	817	645	150	0	-1,310	0
16	559	-614	238	47	-25	192	794	687	98	-583	-370	0
17	708	74	0	75	0	196	819	687	-1,330	-416	-178	-262
18	896	214	0	75	99	203	894	718	0	-402	-372	-312
19	959	202	88	78	-269	193	935	894	0	-419	0	-394
20	919	107	359	82	0	190	897	875	0	-381	-624	-308
21	776	0	443	71	0	280	915	942	0	0	-1,310	-305
22	705	0	-967	-273	147	384	892	1,230	0	-1,690	-527	0
23	754	0	-707	-895	253	466	972	1,400	0	-3,910	-654	-1,120
24	778	0	0	-526	294	487	1,320	1,300	0	-3,300	-509	-384
25	806	0	0	-110	271	409	1,400	-497	-871	-2,440	-824	-335
26	810	-643	0	-242	100	-899	1,670	-320	-203	-1,650	-609	-237
27	860	-402	32	-372	78	-330	1,610	0	-164	-1,210	-355	-180
28	887	0	252	-781	336	0	1,750	0	-38	-662	-250	-292
29	898	0	217	-1,170	------	0	1,600	255	0	-1,590	-325	0
30	885	0	0	123	------	0	1,510	328	0	-1,670	-326	0
31	932	------	0	148	------	0	------	98	------	-685	-696	------
TOTAL	18,439	4,806	4,883	-2,791	-315	2,846	25,375	24,633	-183	-30,478	-26,632	-6,999
MEAN	595	160	158	-90.0	-11.3	91.8	846	795	-6.10	-983	-859	-233
MAX	959	963	612	354	336	696	1,750	1,700	624	0	0	0
MIN	-529	-942	-967	-1,170	-708	-2,100	0	-497	-1,330	-3,910	-2,100	-1,120
AC-FT	36,570	9,530	9,690	-5,540	-625	5,650	50,330	48,860	-363	-60,450	-52,820	-13,880

CAL YR 1972 TOTAL -5,427.00 MEAN -14.8 MAX 1,030 MIN -2,830 AC-FT -10,760
WTR YR 1973 TOTAL 13,584.00 MEAN 37.2 MAX 1,750 MIN -3,910 AC-FT 26,940

02283500 North New River Canal below HGS-4, near South Bay, Fla.

LOCATION.--Lat 26°41'50", long 80°42'50", in SW quarter sec.35, T.43 S., R.36 E., Palm Beach County, 30 ft (9 m) from west bank, 800 ft (244 m) downstream from Hillsboro Canal, 1,600 ft (488 m) downstream from hurricane gate structure 4 and pump station 2 at Lake Okeechobee, and 2.5 mi (4.0 km) north of South Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1957 to current year.

GAGE.--Dual water-stage recorder in pump station 2. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Jan. 18, 1965, water stage and deflection-meter recorder at site 1,600 ft (488 m) downstream at same datum. Jan. 19, 1965, to Sept. 30, 1967 deflection-meter recorder at site 1,600 ft (488 m) downstream.

AVERAGE DISCHARGE.--16 years, 55.4 cfs (1.569 cu m/s), 40,110 acre-ft/yr (49.5 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,240 cfs (35.1 cu m/s) Apr. 28; maximum gage height, 12.91 ft (3.935 m) Aug. 10; maximum daily reverse flow, 2,930 cfs (83.0 cu m/s) July 23; minimum gage height, 9.64 ft (2.938 m) Aug. 26.
Period of record: Maximum daily discharge, 1,560 cfs (44.2 cu m/s) May 19, 1966; maximum gage height, 14.09 ft (4.295 m) Sept. 28, 1962; maximum daily reverse flow, 3,080 cfs (87.2 cu m/s) June 21, 1959; minimum gage height, 8.60 ft (2.621 m) Sept. 23, 1960.

REMARKS.--Records poor. Flow regulated by hurricane gate and pump station at Lake Okeechobee. Flow occasionally reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades (negative figures indicate flow reversed). Discharge is the difference in flow between North New River Canal at S-2 and HGS-4 and Hillsboro Canal below HGS-4. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	670	62	26	-79	307	9.8	432	-122	189	-724	-247
2	431	598	161	-2.0	-487	297	114	1,080	-611	141	-545	-296
3	668	653	153	16	-498	335	235	1,090	-32	-346	-900	-202
4	322	678	143	174	-39	330	207	1,130	69	-949	-1,230	-207
5	-377	630	150	260	26	421	142	1,200	195	-1,080	-1,360	-243
6	4.4	485	161	296	52	589	329	1,050	442	-464	-1,310	-130
7	2.7	421	161	262	50	585	354	1,000	386	-907	-1,200	-191
8	5.2	-149	231	256	54	502	418	1,070	265	-911	-1,120	25
9	144	35	321	201	3.0	281	421	1,060	4.8	-634	-661	20
10	422	228	299	157	-57	-1,390	430	546	24	-309	-1,030	14
11	555	348	287	-349	-65	-501	439	139	355	-1,030	-437	-116
12	440	335	398	-172	-5.7	-69	481	337	422	-567	-122	-114
13	324	417	487	-56	37	40	573	330	461	-439	-371	23
14	327	7.0	444	-41	8.8	41	618	411	345	30	-164	56
15	334	-547	453	-36	14	95	629	501	101	54	-768	22
16	383	-432	183	39	-21	169	574	503	107	-443	-223	11
17	465	32	-23	82	-1.8	208	607	482	-761	-403	-98	-123
18	606	164	29	64	83	187	695	544	362	-378	-225	-106
19	688	152	72	61	-227	179	738	676	207	-385	32	-155
20	693	106	285	75	38	183	683	641	472	-309	-431	-128
21	566	-37	381	66	0	278	708	676	613	-21	-973	-79
22	519	-25	-568	-106	94	335	626	844	352	-1,210	-430	135
23	547	-18	-421	-491	214	346	660	956	534	-2,930	-392	-793
24	541	-15	-6.5	-256	251	378	950	880	399	-2,320	-279	-234
25	578	-3.5	6.0	-75	239	349	1,020	-421	-682	-1,540	-549	-141
26	600	-374	23	-216	110	-586	1,200	-248	-212	-882	-478	-66
27	662	-269	25	-337	86	-138	1,160	-6.8	-168	-618	-189	-66
28	653	-46	213	-606	262	35	1,240	-7.0	8.0	-224	-157	-176
29	669	-28	192	-744	------	17	1,120	126	60	-996	-188	58
30	665	-37	30	66	------	-3.0	1,030	206	169	-953	-245	56
31	669	------	23	139	------	-9.0	------	201	------	-297	-591	------
TOTAL	13,371.3	3,978.5	4,354.5	-1,247.0	141.3	3,791.0	18,410.8	17,428.2	3,764.8	-21,131	-17,358	-3,393
MEAN	431	133	140	-40.2	5.05	122	614	562	125	-682	-560	-113
MAX	693	678	487	296	262	589	1,240	1,200	613	189	32	135
MIN	-377	-547	-568	-744	-498	-1,390	9.8	-421	-761	-2,930	-1,360	-793

CAL YR 1972 TOTAL 1,177.30 MEAN 3.22 MAX 774 MIN -2,100
WTR YR 1973 TOTAL 22,111.40 MEAN 60.6 MAX 1,240 MIN -2,930

02283500 North New River Canal below HGS-4, near South Bay, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.18	11.66	10.89	11.08	12.34	11.35	11.01	11.43	11.36	10.16	10.85	10.26
2	11.26	11.64	10.96	10.89	11.62	11.26	10.99	11.33	10.46	10.41	10.13	10.62
3	11.50	11.69	11.10	10.78	11.45	11.17	11.06	11.33	10.51	11.57	10.21	10.57
4	12.14	11.66	11.27	10.76	11.91	11.21	11.14	11.43	10.39	11.33	10.13	10.72
5	11.75	11.67	11.20	10.97	11.92	11.13	11.05	11.51	10.39	10.21	10.19	10.57
6	11.62	11.71	11.22	11.05	12.10	11.11	11.09	11.45	10.81	10.55	9.96	10.72
7	11.60	11.91	11.09	11.19	12.21	11.32	11.17	11.41	11.02	10.80	10.14	10.80
8	11.41	11.43	10.90	11.25	11.99	11.48	11.31	11.31	10.65	10.22	9.98	11.01
9	11.34	11.03	10.95	11.23	11.82	11.67	11.50	11.39	11.02	10.20	10.49	11.38
10	11.41	10.98	11.16	11.01	11.67	10.90	11.53	11.79	10.51	10.86	11.13	11.54
11	11.60	11.02	11.16	10.90	10.93	10.80	11.45	10.86	10.46	10.81	10.17	11.51
12	11.87	11.08	11.02	10.84	10.71	11.46	11.23	10.69	11.03	10.26	10.52	11.18
13	11.90	11.15	11.09	11.47	10.98	11.46	11.26	10.65	11.11	11.01	10.88	10.96
14	11.79	11.45	11.24	11.09	10.99	11.35	11.16	10.69	11.28	11.28	10.70	10.98
15	11.69	11.14	11.42	11.22	10.92	11.17	11.31	10.87	10.54	11.34	10.92	10.81
16	11.57	10.68	11.62	11.50	10.85	11.20	11.37	11.31	10.70	11.05	10.24	10.81
17	11.52	10.92	11.09	11.65	10.56	11.46	11.26	11.23	10.70	10.92	11.09	10.69
18	11.50	11.00	10.91	11.66	10.57	11.64	11.18	10.96	11.38	10.80	10.74	10.69
19	11.55	11.09	10.74	11.57	10.82	11.46	11.16	10.90	10.51	10.90	11.11	10.85
20	11.87	11.84	10.68	11.49	10.53	11.22	11.22	10.88	10.46	10.79	11.27	10.89
21	12.15	12.11	10.99	11.53	10.74	11.23	11.17	10.83	10.31	11.25	10.84	10.75
22	12.09	11.99	11.13	11.45	10.78	11.53	11.13	10.79	10.33	11.19	10.56	11.39
23	12.06	11.81	11.03	11.04	10.94	11.38	11.05	10.89	10.29	10.24	10.94	11.03
24	11.95	11.67	11.26	11.32	11.28	11.34	10.91	11.24	10.24	10.14	10.83	10.29
25	11.85	11.54	11.28	11.53	11.45	11.33	11.01	11.08	10.41	9.97	11.15	10.90
26	11.77	11.40	11.42	11.49	11.49	11.14	11.05	10.50	10.91	9.98	11.06	10.68
27	11.64	10.83	11.31	11.46	11.22	10.93	11.41	11.01	11.23	10.12	10.87	10.79
28	11.68	11.01	10.96	12.10	11.22	11.50	11.73	11.09	11.25	10.34	10.56	10.74
29	11.76	11.06	11.20	10.66	------	11.46	11.76	11.02	11.30	10.91	10.66	10.65
30	11.82	10.99	11.31	11.33	------	11.38	11.62	11.64	10.74	9.97	10.80	11.05
31	11.69	------	11.26	11.76	------	11.22	------	11.65	------	10.42	10.77	------
MEAN	11.69	11.37	11.12	11.27	11.29	11.30	11.24	11.13	10.74	10.65	10.64	10.86
MAX	12.15	12.11	11.62	12.10	12.34	11.67	11.76	11.79	11.38	11.57	11.27	11.54
MIN	11.18	10.68	10.68	10.66	10.53	10.80	10.91	10.50	10.24	9.97	9.96	10.26

CAL YR 1972 MEAN 11.45 MAX 12.68 MIN 10.15
WTR YR 1973 MEAN 11.11 MAX 12.34 MIN 9.96

02285000 North New River Canal near Fort Lauderdale, Fla.

LOCATION.--Lat 26°05'39", long 80°13'48", in SW quarter sec.14, T.50 S., R.41 E., Broward County, on right bank 20 ft (6 m) upstream from lock and salinity-control structure on State Highway 84 and 6 mi (10 km) southwest of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to September 1913 (discharge measurements only). November 1939 to current year.

GAGE.--Water-stage recorder and sharp crested weir. Datum of gage is at mean sea level (Corps of Engineers bench mark). Prior to Apr. 13, 1940, nonrecording gage at same site and datum. Dec. 9, 1959, to Sept. 30, 1967, deflection-meter recorder near left bank 20 ft (6 m) upstream from lock and dam. Auxiliary water-stage recorder at downstream end of lock chamber. Aug. 1, 1947, to July 20, 1950, at site 500 ft (152 m) downstream.

AVERAGE DISCHARGE.--33 years, 463 cfs (13.11 cu m/s); 335,200 acre-ft/yr (413 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 474 cfs (13.4 cu m/s) Aug. 16; maximum gage height, 6.12 ft (1.865 m) Dec. 23; flow consists of leakage, estimated as 15 cfs (0.42 cu m/s) for many days; minimum gage height, 2.26 ft (0.689 m) Sept. 14.
Period of record: Maximum daily discharge, 3,280 cfs (92.9 cu m/s) Nov. 19, 1947; maximum gage height, 10.83 ft (3.301 m) Oct. 17, 1947; no flow May 5, 6, 13, 15-20, 24-26, 1966; minimum gage height, 0.78 ft (0.238 m) Dec. 3, 1942.

Flood of Oct. 15, 1929, reached a stage of 7.66 ft (2.335 m), present site and datum, discharge, 5,400 cfs (152 cu m/s) from records by Everglades Drainage District.

REMARKS.--Records poor. Flow regulated at and above station by control structures for irrigation, drainage, and flood and fire control. Several small diversions above station for irrigation. Since February 1952, flow materially affected by control structure at 20-mile bend, 14 mi (23 km) upstream. Discharge computed from relations between discharge, head, and submergence. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

COOPERATION.--Stoplog record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Jan. 5 (0815) 22.0°; Feb. 6 (0945) 21.0°; Mar. 5 (1150) 25.0°; Apr. 5 (0827) 24.5°; May 4 (0830) 28.0°; June 4 (1050) 28.5°; Aug. 1 (0835) 28.0°; Sept. 4 (1220) 27.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	28	76	15	15	15	15	15	15	172	169	232
2	125	41	16	15	15	15	15	15	15	206	163	227
3	129	36	20	15	16	15	15	15	15	279	167	212
4	170	38	23	15	16	15	15	15	15	211	161	193
5	188	30	23	15	15	15	15	15	15	200	148	187
6	183	83	21	15	15	15	15	15	15	198	146	197
7	150	435	25	15	15	15	15	15	15	184	122	190
8	133	337	24	15	15	15	15	15	15	171	148	195
9	125	185	20	15	15	15	15	15	15	156	231	199
10	116	139	16	15	15	15	15	15	15	152	290	199
11	108	148	15	24	15	15	15	15	15	165	426	203
12	107	129	15	72	15	15	15	15	15	183	371	197
13	107	134	15	40	15	15	15	15	15	190	399	206
14	102	158	19	17	15	15	15	15	15	206	413	146
15	102	194	18	15	15	15	15	15	15	205	412	21
16	59	193	45	15	15	15	15	15	15	198	474	23
17	32	164	51	15	15	15	15	15	15	182	406	23
18	15	155	21	17	15	15	15	15	20	178	313	17
19	22	148	18	19	15	15	15	15	20	170	291	24
20	39	158	17	19	15	15	15	15	118	156	280	28
21	60	158	15	16	15	15	15	15	282	155	247	28
22	39	174	28	16	15	15	15	15	252	190	246	29
23	36	234	262	20	15	15	15	15	216	193	231	63
24	31	229	228	22	15	15	15	15	201	180	212	54
25	21	219	152	18	15	15	15	15	188	164	235	44
26	21	251	181	15	15	15	15	15	195	139	217	42
27	20	227	80	15	15	15	15	15	208	122	202	39
28	19	167	15	15	15	15	15	15	229	151	191	39
29	19	156	15	16	------	15	15	15	187	158	187	31
30	30	146	15	15	------	15	15	15	174	158	190	27
31	21	------	15	16	------	15	------	15	------	164	164	------
TOTAL	2,442	4,894	1,504	587	422	465	450	465	2,545	5,536	7,852	3,315
MEAN	78.8	163	48.5	18.9	15.1	15.0	15.0	15.0	84.8	179	253	111
MAX	188	435	262	72	16	15	15	15	282	279	474	232
MIN	15	28	15	15	15	15	15	15	15	122	122	17
AC-FT	4,840	9,710	2,980	1,160	837	922	893	922	5,050	10,980	15,570	6,580

CAL YR 1972 TOTAL 52,388 MEAN 143 MAX 1,980 MIN 15 AC-FT 103,900
WTR YR 1973 TOTAL 30,477 MEAN 83.5 MAX 474 MIN 15 AC-FT 60,450

02285000 North New River Canal near Fort Lauderdale, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.59	5.06	4.97	4.86	4.88	3.62	4.19	3.36	3.29	3.72	3.70	2.62
2	4.64	5.18	5.23	4.86	4.91	3.58	4.10	3.40	3.24	3.87	3.68	2.56
3	4.66	5.15	5.35	4.85	5.01	3.56	3.96	3.44	3.19	4.18	3.70	2.48
4	4.83	5.18	5.40	4.87	5.02	3.55	3.91	3.76	3.20	3.89	3.67	2.41
5	4.91	5.08	5.40	4.91	5.00	3.53	3.76	3.92	3.19	3.84	3.62	2.38
6	4.89	5.43	5.38	4.90	4.94	3.48	3.47	3.79	3.16	3.83	3.61	2.40
7	4.75	4.57	5.42	4.89	4.68	3.43	3.36	3.82	3.29	3.77	3.51	2.37
8	4.68	3.85	5.41	4.74	4.55	3.37	3.37	3.85	3.80	3.71	3.62	2.36
9	4.64	4.19	5.35	4.53	4.47	3.33	3.33	4.21	3.78	3.65	3.98	2.37
10	4.60	4.81	5.29	4.81	4.55	3.36	3.27	4.78	3.85	3.63	4.20	2.36
11	4.57	4.85	5.25	5.09	4.49	3.33	3.14	4.55	3.81	3.69	4.68	2.41
12	4.57	4.77	5.23	5.52	4.44	3.28	3.05	4.38	3.82	3.76	4.50	2.42
13	4.57	4.79	5.23	5.31	4.45	3.22	3.16	4.23	3.82	3.80	4.60	2.39
14	4.54	4.89	5.34	5.03	4.40	3.13	3.18	4.14	3.83	3.87	4.64	2.84
15	4.54	5.04	5.17	4.96	4.38	3.04	3.19	4.18	3.85	3.86	4.64	4.04
16	4.66	5.04	5.40	4.96	4.34	3.07	3.17	4.22	4.05	3.83	4.82	4.06
17	4.82	4.91	5.66	4.96	4.20	3.12	3.11	4.13	4.61	3.76	4.61	4.06
18	4.80	4.88	5.38	5.05	4.15	3.13	3.04	3.95	5.10	3.75	4.31	3.96
19	4.98	4.85	5.32	5.08	4.18	3.10	2.99	3.75	5.10	3.71	4.24	4.08
20	5.18	4.89	5.19	5.07	4.26	3.02	3.03	3.64	5.11	3.65	4.19	4.12
21	5.32	4.89	4.75	5.01	4.26	3.29	3.19	3.56	4.60	3.65	4.05	4.12
22	5.20	4.96	5.17	5.01	4.21	3.55	3.26	3.49	4.07	3.80	4.04	4.14
23	5.15	5.22	5.61	5.10	4.11	3.58	3.32	3.39	3.91	3.81	3.98	4.40
24	5.09	5.20	4.74	5.13	3.91	3.60	3.27	3.35	3.85	3.75	3.90	4.37
25	4.97	5.15	4.41	5.00	3.84	3.61	3.25	3.36	3.79	3.68	4.00	4.32
26	4.97	5.30	4.54	4.74	3.84	4.26	3.20	3.38	3.82	3.58	3.92	4.30
27	4.95	5.19	4.69	4.66	3.86	4.72	3.33	3.44	3.88	3.51	3.85	4.27
28	4.94	4.93	4.87	4.70	3.74	4.52	3.41	3.47	3.97	3.63	3.80	4.26
29	4.94	4.88	4.90	4.99	------	4.40	3.40	3.43	3.78	3.66	3.78	4.16
30	5.08	4.84	4.92	5.00	------	4.36	3.38	3.39	3.72	3.66	3.80	4.11
31	4.97	------	4.91	4.94	------	4.28	------	3.35	------	3.69	3.53	------
MEAN	4.84	4.93	5.16	4.95	4.40	3.56	3.36	3.78	3.88	3.75	4.04	3.37
MAX	5.32	5.43	5.66	5.52	5.02	4.72	4.19	4.78	5.11	4.18	4.82	4.40
MIN	4.54	3.85	4.41	4.53	3.74	3.02	2.99	3.35	3.16	3.51	3.51	2.36

CAL YR 1972 MEAN 4.47 MAX 5.74 MIN 1.63
WTR YR 1973 MEAN 4.17 MAX 5.66 MIN 2.36

02285001 North New River Canal below control near Fort Lauderdale, Fla.

LOCATION.--Lat 26°05'39", long 80°13'50", in SW quarter sec.14, T.50 S., R.41 E., Broward County at downstream end of lock chamber at salinity control structure on State Highway 84, 6 mi (9.7 km) southwest of Fort Lauderdale.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1943 to July 1947 (fragmentary), August 1947 to current year, gage heights only. Published since October, 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark). Aug. 1, 1947, to July 20, 1950, water-stage recorder at site 300 ft (91.4 m) downstream at same datum.

EXTREMES.--Current year: Maximum gage height, 2.74 ft (0.835 m) Oct. 7; minimum, -0.54 ft (-0.165 m) June 1.
Period of record: Maximum gage height, 10.56 ft (3.219 m) Oct. 19, 1947; minimum, -1.33 ft (-0.405 m) Dec. 31, 1956.

REMARKS.--Stage is basically tidal but is occasionally affected by operation of salinity control structure during high flow. The stage record published is the maximum and minimum tide event for each calendar day.

WATER TEMPERATURE (°C).--Jan. 5 (0805) 21.0°; Feb. 6 (0955) 24.0°; Mar. 5 (1205) 25.0°; Apr. 5 (0830) 26.0°; May 4 (0825) 26.0°; June 4 (1050) 29.0°; Aug. 1 (0845) 28.0°; Sept. 4 (1215) 27.5°.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	1.89	1.16	1.47	1.76	1.57	1.88	1.60	1.73	1.72	2.18	2.12
2	1.95	1.93	1.28	1.56	1.55	2.06	2.00	1.53	1.50	1.77	2.04	1.98
3	1.89	1.85	1.57	1.72	1.46	1.73	2.04	1.48	1.67	1.99	1.86	1.77
4	2.16	1.83	1.61	1.60	1.60	2.10	1.95	1.50	1.62	1.71	1.66	1.55
5	2.37	1.68	1.51	1.59	1.49	1.98	1.91	1.61	1.52	1.89	1.38	1.66
6	2.65	1.79	1.42	1.54	1.34	1.94	1.74	1.60	1.37	1.77	1.44	1.94
7	2.74	2.60	1.23	1.67	1.25	1.82	1.97	1.54	1.47	1.70	1.45	1.83
8	2.65	2.31	1.24	1.71	1.29	1.86	1.99	1.49	1.55	1.56	1.53	1.88
9	2.48	1.96	1.19	1.80	1.44	1.68	1.84	1.58	1.43	1.78	1.59	1.96
10	2.23	2.05	1.12	1.80	1.57	1.60	1.69	1.40	1.45	1.70	1.74	2.08
11	2.06	2.00	1.08	2.13	1.50	1.45	1.46	1.42	1.46	1.75	1.60	2.14
12	1.98	1.90	1.26	2.29	1.88	1.30	1.56	1.44	1.47	1.50	1.63	2.34
13	2.24	2.02	1.33	2.04	2.01	1.36	1.44	1.40	1.45	1.47	1.86	2.27
14	2.01	1.99	1.46	2.04	2.00	1.50	1.60	1.25	1.40	1.50	1.92	2.14
15	1.84	2.06	1.74	2.06	1.90	1.70	1.58	1.20	1.48	1.65	1.93	2.11
16	1.81	2.17	1.57	1.91	1.82	1.88	1.55	1.34	1.49	1.93	1.97	2.16
17	1.81	2.13	1.64	2.05	1.82	1.80	1.76	1.42	1.50	1.96	2.09	2.08
18	1.80	2.17	1.95	2.13	1.84	1.72	1.72	1.47	1.33	2.06	2.25	1.97
19	1.98	2.24	2.13	2.07	1.95	1.76	1.72	1.41	1.44	2.13	2.24	1.97
20	2.12	2.24	1.98	1.95	2.02	1.72	1.77	1.39	1.29	2.18	2.20	2.10
21	2.31	2.06	2.16	2.09	1.81	1.64	1.71	1.44	1.50	2.02	2.36	2.01
22	2.65	1.99	1.97	1.95	1.92	1.67	1.62	1.49	1.55	1.90	2.31	2.36
23	2.61	1.99	2.02	1.62	2.05	1.49	1.45	1.54	1.50	1.72	2.14	2.47
24	2.58	1.98	1.68	1.34	1.91	1.59	1.39	1.55	1.38	1.67	2.09	2.39
25	2.38	2.20	1.53	1.35	1.67	1.81	1.57	1.53	1.56	1.80	2.25	2.48
26	2.25	1.93	1.63	1.35	1.48	1.82	1.51	1.59	1.63	1.88	2.18	2.36
27	2.03	1.59	1.55	1.29	1.67	1.68	1.63	1.62	1.69	1.98	2.14	2.31
28	1.78	1.31	1.59	1.38	1.52	1.70	1.53	1.56	1.80	2.21	2.12	2.22
29	1.73	1.28	1.52	1.33	------	1.84	1.51	1.43	1.65	2.28	2.15	2.24
30	1.80	1.16	1.64	1.24	------	1.87	1.58	1.53	1.74	2.28	2.03	2.08
31	1.81	------	1.61	1.52	------	1.83	------	1.61	------	2.28	2.02	------
MEAN	2.15	1.94	1.56	1.73	1.70	1.72	1.69	1.48	1.52	1.86	1.95	2.10
MAX	2.74	2.60	2.16	2.29	2.05	2.10	2.04	1.62	1.80	2.28	2.36	2.48
MIN	1.73	1.16	1.08	1.24	1.25	1.30	1.39	1.20	1.29	1.47	1.38	1.55

CAL YR 1972 MEAN 1.81 MAX 2.77 MIN 1.05
WTR YR 1973 MEAN 1.78 MAX 2.74 MIN 1.08

02285001 North New River Canal below control near Fort Lauderdale, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.42	.42	-.27	-.08	.08	.27	.17	-.33	-.54	-.25	.33	.81
2	.35	.38	-.42	-.09	-.08	.18	.05	-.44	-.50	-.09	.25	.79
3	.19	.22	-.17	-.13	-.27	.23	-.05	-.52	-.44	-.01	.14	.62
4	.39	.18	-.06	-.22	-.35	.48	-.16	-.52	-.46	-.05	.06	.35
5	.59	-.01	-.18	-.26	-.24	.02	-.32	-.39	-.46	.13	-.10	.39
6	.71	.04	-.26	-.27	-.47	-.02	-.33	-.45	-.46	.10	-.07	.63
7	.94	.52	-.51	-.19	-.48	-.07	.02	-.38	-.36	.07	-.11	.68
8	.97	1.22	-.44	.03	-.37	-.18	.00	-.26	-.22	.08	.14	.53
9	.79	.76	-.37	.05	-.22	-.22	.02	-.20	-.32	.04	.20	.51
10	.61	.69	-.49	.20	-.30	-.31	-.26	-.15	-.32	.20	.43	.43
11	.51	.66	-.37	.60	-.07	-.36	-.16	-.30	-.35	.27	.23	.59
12	.37	.67	-.25	.54	.18	-.45	-.15	-.31	-.31	-.02	.14	.64
13	.73	.78	-.19	.23	.19	-.44	-.26	-.39	-.32	.00	.22	.59
14	.69	.68	.01	.18	.19	-.28	-.19	-.50	-.39	-.10	.32	.34
15	.52	.85	.08	.27	.02	-.20	-.25	-.52	-.35	.06	.36	.29
16	.45	.81	-.06	-.06	-.06	.09	-.37	-.50	-.33	.21	.45	.29
17	.32	.63	-.21	.03	-.15	.14	-.21	-.36	-.36	.40	.43	.29
18	.27	.47	-.16	.10	-.07	-.06	-.16	-.42	-.28	.46	.59	.20
19	.20	.36	-.19	.00	.11	.09	-.15	-.39	-.36	.59	.60	.14
20	.24	.24	-.19	-.05	.12	-.02	-.07	-.28	-.03	.59	.59	.38
21	.38	.17	-.10	.02	.10	-.16	.03	-.22	.43	.42	.61	.31
22	.51	.06	.09	.02	.30	-.26	-.11	-.06	.40	.45	.84	.35
23	.56	.03	.12	-.22	.31	-.24	-.17	.04	-.03	.29	.69	1.01
24	.48	.13	-.10	-.33	.12	.17	.06	.02	-.15	.06	.46	.73
25	.25	.30	-.09	-.15	-.04	.41	.13	.03	-.29	.02	.60	.75
26	.23	.11	.09	-.15	-.11	.46	.18	-.11	-.21	.00	.49	.67
27	.23	.05	.04	-.10	-.11	.31	.10	.00	.16	.00	.37	.58
28	.20	-.05	.00	-.06	-.06	.48	-.04	-.24	.12	.35	.30	.54
29	.19	-.20	-.04	-.16	------	.45	-.17	-.44	-.33	.35	.29	.50
30	.38	-.30	.09	-.28	------	.42	-.26	-.50	-.31	.32	.29	.48
31	.48	------	.06	-.22	------	.27	------	-.49	------	.31	.26	------
MEAN	.46	.36	-.15	-.02	-.06	.04	-.10	-.31	-.25	.17	.34	.51
MAX	.97	1.22	.12	.60	.31	.48	.18	.04	.43	.59	.84	1.01
MIN	.19	-.30	-.51	-.33	-.48	-.45	-.37	-.52	-.54	-.25	-.11	.14

CAL YR 1972 MEAN .17 MAX 1.84 MIN -.59
WTR YR 1973 MEAN .08 MAX 1.22 MIN -.54

02286100 South New River Canal at S-13, near Davie, Fla.

LOCATION.--Lat 26°03'57", long 80°12'32", in SW quarter sec.25, T.50 S., R.41 E., Broward County, 18 ft (5 m) from north bank, 150 ft (46 m) upstream from pump station 13, 300 ft (91 m) west of U. S. Highway 441, and 1.5 mi (2.4 km) east of Davie.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to current year.

GAGE.--Dual water-stage recorder and deflection-meter recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--16 years, 194 cfs (5.494 cu m/s), 140,500 acre-ft/yr (173 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 447 cfs (12.7 cu m/s) Nov. 7; maximum gage height, 2.83 ft (0.863 m) Nov. 7; no flow for some days this year; minimum gage height, 0.32 ft (0.098 m) July 2.
Period of record: Maximum discharge, 1,050 cfs (29.7 cu m/s) Jan. 25, 1963 and Oct. 12, 1964; maximum gage height, 3.93 ft (1.198 m) Oct. 31, 1969; maximum reverse flow, 657 cfs (18.6 cu m/s) Sept. 12, 1962; no flow for some days in most years; minimum gage height, -0.79 ft (-0.241 m) July 14, 1961.

REMARKS.--Records poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by pumpage and operation of gate at S-13. Flow is affected by regulation of control structure 13A 5 mi (8 km) upstream and by upstream withdrawals from the canal during the growing season and pumpage into the canal during high water.

COOPERATION.--Gate-opening and pump records furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Jan. 5 (0735) 20.0°; Feb. 6 (1010) 22.0°; Apr. 5 (0630) 23.0°; May 4 (0805) 24.5°; June 4 (1105) 27.0°; Aug. 1 (0805) 27.5°; Sept. 4 (1150) 27.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	132	36	55	33	18	29	0	0	106	91	329
2	112	140	45	74	40	0	41	0	0	182	90	265
3	45	133	45	56	117	0	35	0	0	89	88	269
4	69	145	26	27	191	34	31	0	0	0	71	229
5	86	149	0	32	184	0	33	0	0	164	69	168
6	69	164	0	36	26	39	0	0	0	77	92	117
7	132	447	0	89	46	0	0	0	0	0	74	181
8	131	428	61	84	42	34	0	0	0	0	175	179
9	122	394	58	30	0	0	36	45	0	0	252	133
10	59	347	30	25	40	0	0	99	0	15	282	63
11	31	338	42	101	0	0	0	82	0	65	285	109
12	23	317	71	110	30	19	0	44	.10	68	208	92
13	23	148	40	99	0	0	0	34	0	125	138	87
14	44	65	58	73	38	0	0	29	2.0	151	136	84
15	104	81	63	66	0	0	0	49	12	146	164	80
16	68	53	85	51	30	0	0	40	36	122	210	64
17	17	91	49	47	0	9.6	0	0	111	138	168	63
18	62	90	56	62	16	30	0	0	118	114	146	52
19	36	87	43	35	34	0	0	0	171	86	153	46
20	23	87	57	44	28	0	0	0	176	84	125	51
21	108	84	33	44	33	23	0	0	223	75	165	43
22	97	67	109	48	21	25	0	0	184	183	223	42
23	108	66	240	50	34	0	0	0	175	171	209	277
24	104	65	287	63	0	0	0	8.2	133	144	107	265
25	40	53	265	97	40	0	0	39	139	94	169	119
26	17	70	246	84	31	56	0	91	142	74	118	94
27	42	85	141	24	46	60	.80	151	160	87	117	86
28	93	82	25	129	23	72	29	177	161	236	107	124
29	134	48	76	99	------	47	0	140	95	218	200	123
30	159	70	69	41	------	54	0	0	90	109	135	112
31	139	------	71	5.5	------	38	------	31	------	143	243	------
TOTAL	2,418	4,526	2,427	1,880.5	1,123	558.6	234.80	1,059.2	2,128.10	3,266	4,810	3,946
MEAN	78.0	151	78.3	60.7	40.1	18.0	7.83	34.2	70.9	105	155	132
MAX	159	447	287	129	191	72	41	177	223	236	285	329
MIN	17	48	0	5.5	0	0	0	0	0	0	69	42
AC-FT	4,800	8,980	4,810	3,730	2,230	1,110	466	2,100	4,220	6,480	9,540	7,830

CAL YR 1972 TOTAL 42,550.00 MEAN 116 MAX 494 MIN 0 AC-FT 84,400
WTR YR 1973 TOTAL 28,377.20 MEAN 77.7 MAX 447 MIN 0 AC-FT 56,290

02286100 South New River Canal at S-13, near Davie, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.81	1.86	1.68	1.72	1.62	1.61	1.68	1.65	1.71	1.69	1.75	1.39
2	1.77	1.83	1.73	1.71	1.63	1.73	1.68	1.65	1.72	1.42	1.72	1.24
3	1.72	1.80	1.66	1.67	1.60	1.77	1.69	1.64	1.71	1.34	1.72	1.03
4	1.78	1.80	1.75	1.70	1.67	1.69	1.67	1.62	1.70	2.17	1.67	.88
5	1.79	1.77	1.98	1.72	1.65	1.66	1.63	1.75	1.65	2.08	1.66	.87
6	1.83	1.78	2.08	1.68	1.69	1.69	1.76	1.75	1.62	1.36	1.68	1.15
7	2.13	2.08	2.12	1.71	1.59	1.64	1.77	1.74	1.61	1.63	1.64	1.21
8	2.10	1.61	2.02	1.69	1.66	1.69	1.78	1.71	1.63	1.67	1.72	1.11
9	1.97	1.42	1.69	1.66	1.66	1.68	1.72	1.71	1.63	1.63	1.67	1.15
10	1.75	1.45	1.63	1.70	1.63	1.76	1.61	1.67	1.63	1.61	1.44	1.48
11	1.71	1.41	1.69	1.76	1.72	1.77	1.67	1.65	1.60	1.65	1.05	1.75
12	1.70	1.38	1.66	1.92	1.69	1.74	1.66	1.63	1.56	1.66	.87	1.74
13	1.73	1.67	1.65	1.79	1.71	1.65	1.67	1.73	1.60	1.68	1.37	1.72
14	1.73	1.80	1.69	1.75	1.65	1.66	1.69	1.64	1.71	1.67	1.76	1.70
15	1.76	1.94	1.69	1.73	1.70	1.67	1.69	1.61	1.75	1.71	1.78	1.70
16	1.73	1.95	1.73	1.66	1.66	1.72	1.66	1.66	1.68	1.73	1.84	1.71
17	1.67	1.88	1.71	1.66	1.74	1.76	1.64	1.71	1.64	1.77	1.81	1.70
18	1.63	1.78	1.63	1.62	1.74	1.65	1.63	1.76	1.64	1.79	1.82	1.67
19	1.67	1.72	1.71	1.69	1.68	1.64	1.62	1.77	1.64	1.78	1.85	1.66
20	1.78	1.69	1.69	1.70	1.68	1.70	1.60	1.79	1.65	1.76	1.84	1.67
21	1.83	1.65	1.72	1.71	1.66	1.71	1.59	1.78	1.63	1.75	1.81	1.65
22	1.88	1.76	1.69	1.67	1.71	1.61	1.56	1.75	1.67	1.82	1.56	1.88
23	1.89	1.75	1.76	1.65	1.70	1.74	1.53	1.72	1.67	1.79	1.38	2.36
24	1.82	1.77	1.74	1.63	1.68	1.75	1.49	1.72	1.64	1.74	1.63	1.99
25	1.69	1.79	1.72	1.66	1.64	1.75	1.52	1.64	1.66	1.75	1.90	1.78
26	1.67	1.81	1.76	1.64	1.68	1.72	1.51	1.68	1.68	1.74	1.84	1.60
27	1.68	1.70	1.68	1.68	1.66	1.55	1.69	1.62	1.64	1.76	1.78	1.52
28	1.75	1.65	1.69	1.65	1.74	1.76	1.59	1.67	1.67	1.88	1.77	1.63
29	1.78	1.65	1.69	1.68	------	1.68	1.67	1.65	1.67	1.87	1.53	1.82
30	1.90	1.66	1.65	1.64	------	1.67	1.67	1.76	1.69	1.81	1.37	1.79
31	1.81	------	1.69	1.68	------	1.68	------	1.62	------	1.79	1.55	------
MEAN	1.79	1.73	1.74	1.69	1.67	1.69	1.64	1.69	1.66	1.73	1.64	1.55
MAX	2.13	2.08	2.12	1.92	1.74	1.77	1.78	1.79	1.75	2.17	1.90	2.36
MIN	1.63	1.38	1.63	1.62	1.59	1.55	1.49	1.61	1.56	1.34	.87	.87

CAL YR 1972 MEAN 1.64 MAX 2.39 MIN .56
WTR YR 1973 MEAN 1.69 MAX 2.36 MIN .87

02286101 South New River Canal below S-13, near Davie, Fla.

LOCATION.--Lat 26°03'57', long 80°12'32", in SW quarter sec.25, T.50 S., R.41 E., Broward County, at pump station 13, 150 ft (45.7 m) west of U.S. Highway 441 and 1.5 mi (2.4 km) east of Davie.

PERIOD OF RECORD.--January 1955 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 2.61 ft (0.796 m) Oct. 7; minimum, -1.32 ft (-0.402 m) May 15.
Period of record: Maximum gage height, 3.98 ft (1.213 m) Sept. 8, 1965; minimum, -1.97 ft (-0.600 m) Apr. 28, 1963.

REMARKS.—Gage records water levels below pump station 13. Stage is basically tidal, but at times is affected by gate operation and pumping at S-13. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	1.88	1.14	1.56	1.63	1.31	1.81	1.57	1.24	1.53	2.03	1.91
2	1.81	1.93	1.34	1.53	1.41	1.76	1.73	1.50	1.27	1.62	1.88	1.72
3	1.73	1.84	1.63	1.78	1.46	1.50	2.04	1.49	1.51	1.71	1.71	1.50
4	1.98	1.87	1.64	1.50	1.39	1.88	1.92	1.42	1.30	1.49	1.48	1.34
5	2.20	1.67	1.53	1.45	1.25	1.71	1.59	1.56	1.36	1.86	1.23	1.46
6	2.47	1.83	1.44	1.42	1.05	1.64	1.55	1.55	1.16	1.62	1.23	1.63
7	2.61	2.40	1.26	1.59	1.06	1.60	1.88	1.19	1.35	1.54	1.29	1.54
8	2.48	2.15	1.27	1.67	1.00	1.60	1.78	1.26	1.51	1.44	1.41	1.66
9	2.31	1.98	1.23	1.74	1.21	1.43	1.69	1.46	1.26	1.58	1.49	1.69
10	2.09	2.06	1.15	1.72	1.38	1.37	1.54	1.29	1.28	1.52	1.64	1.97
11	1.92	1.99	1.11	2.08	1.51	1.24	1.32	1.10	1.11	1.59	1.43	2.01
12	1.80	1.89	1.14	2.23	1.64	.91	1.31	1.25	1.17	1.28	1.45	2.20
13	2.08	2.01	1.21	1.96	1.78	1.13	1.15	1.21	1.14	1.30	1.69	2.02
14	1.87	2.01	1.37	1.97	1.83	1.25	1.33	1.05	1.07	1.35	1.81	1.98
15	1.64	2.07	1.75	1.98	1.64	1.46	1.24	.89	1.24	1.47	1.76	1.98
16	1.64	2.15	1.47	1.85	1.56	1.52	1.19	.89	1.24	1.76	1.83	2.01
17	1.62	2.12	1.56	2.00	1.88	1.53	1.42	1.21	1.23	1.83	1.92	1.91
18	1.63	2.18	1.90	2.07	1.60	1.47	1.62	1.24	1.26	1.88	2.14	1.82
19	1.83	2.23	2.08	2.03	1.74	1.51	1.35	1.13	1.35	1.96	2.07	1.74
20	1.98	2.22	2.01	1.84	1.75	1.51	1.45	1.17	1.22	2.03	2.07	1.90
21	2.17	2.00	2.08	1.99	1.56	1.46	1.52	1.08	1.25	1.86	2.22	1.84
22	2.52	1.98	1.87	1.84	1.66	1.38	1.36	1.15	1.21	1.78	2.09	2.25
23	2.47	1.99	1.75	1.50	1.74	1.22	1.26	1.37	1.21	1.59	1.93	2.33
24	2.42	1.94	1.51	1.28	1.55	1.43	1.11	1.35	1.17	1.48	1.94	2.28
25	2.23	2.19	1.42	1.21	1.38	1.53	1.34	1.30	1.38	1.63	2.08	2.31
26	2.07	2.03	1.54	1.24	1.23	1.60	1.21	1.41	1.38	1.71	2.02	2.18
27	1.86	1.57	1.46	1.18	1.40	1.64	1.34	1.50	1.35	1.88	1.95	2.09
28	1.77	1.29	1.54	1.31	1.23	1.49	1.53	1.36	1.52	2.08	1.92	2.06
29	1.70	1.30	1.42	1.21	------	1.72	1.46	1.01	1.47	2.14	2.03	2.08
30	1.72	1.18	1.51	1.12	------	1.82	1.54	1.37	1.59	2.21	1.85	1.92
31	1.80	------	1.63	1.39	------	1.89	------	1.17	------	2.15	1.87	------
MEAN	2.01	1.93	1.51	1.65	1.48	1.50	1.49	1.27	1.29	1.71	1.79	1.91
MAX	2.61	2.40	2.08	2.23	1.88	1.89	2.04	1.57	1.59	2.21	2.22	2.33
MIN	1.62	1.18	1.11	1.12	1.00	.91	1.11	.89	1.07	1.28	1.23	1.34

CAL YR 1972 MEAN 1.63 MAX 2.61 MIN .76
WTR YR 1973 MEAN 1.63 MAX 2.61 MIN .89

02286101 South New River Canal below S-13, near Davie, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.39	-.32	-.04	.02	-.12	.04	-.38	-1.31	-.46	.19	.70
2	.22	.33	-.41	-.12	-.51	-.17	-.32	-.59	-.77	-.26	.10	.60
3	.05	.16	-.10	-.25	-.23	-.16	-.36	-.75	-.76	-.33	.01	.46
4	.23	.16	-.06	-.37	-.75	.11	-.27	-.59	-.72	-.33	-.07	.34
5	.44	-.03	-.20	-.41	-.69	-.30	-.76	-.41	-.63	-.06	-.21	.38
6	.59	-.02	-.27	-.45	-1.02	-.23	-.75	-.97	-1.22	-.09	-.27	.61
7	.94	.52	-.52	-.26	-1.13	-.48	-.12	-.63	-.94	-.11	-.14	.70
8	.97	1.02	-.42	-.01	-.95	-.45	-.33	-.62	-.68	-.07	.14	.54
9	.76	.82	-.35	-.09	-.65	-.76	-.29	-.26	-.50	-.12	.11	.50
10	.54	.82	-.44	.09	-.84	-.75	-.76	-.32	-.42	.03	.36	.26
11	.41	.76	-.36	.44	-.55	-.95	-.64	-.51	-.94	.03	.21	.50
12	.24	.76	-.29	.45	-.54	-1.08	-.61	-.48	-.79	-.35	.12	.59
13	.59	.73	-.32	.11	-.19	-1.10	-.73	-.61	-.61	-.29	.08	.50
14	.55	.72	-.05	.19	.13	-.85	-.51	-1.14	-.55	-.40	.16	.25
15	.33	.78	-.15	.13	-.22	-.73	-.41	-1.32	-.69	-.20	.23	.22
16	.26	.74	-.16	-.18	-.18	-.38	-.86	-.93	-.52	.00	.33	-.01
17	.14	.63	-.36	.08	-.57	-.37	-.58	-.80	-.50	.15	.30	.20
18	.08	.49	-.24	.01	-.55	-.55	-.66	-.59	-.27	.22	.42	.12
19	.01	.39	-.27	-.08	-.28	-.46	-.66	-.52	-.58	.39	.42	.11
20	.06	.23	-.21	-.13	-.22	-.50	-.51	-.54	-.36	.43	.39	.27
21	.26	.19	-.12	-.06	-.23	-.64	-.37	-.55	-.17	.26	.46	.24
22	.42	.05	-.01	-.11	-.05	-.81	-.61	-.38	-.17	.38	.81	.32
23	.48	.06	-.10	-.36	-.06	-.77	-.71	-.36	-.30	.08	.65	1.02
24	.35	.15	-.20	-.49	-.28	-.27	-.40	-.40	-.36	-.16	.32	.78
25	.18	.36	-.14	-.27	-.44	.04	-.31	-.36	-.86	-.13	.46	.80
26	.16	.16	.03	-.30	-.42	.40	-.23	-.44	-.47	-.14	.28	.69
27	.12	.01	-.05	-.15	-.46	-.04	-.29	-.16	-.34	-.16	.16	.59
28	.10	-.14	-.16	-.25	-.45	.16	-.01	-.33	-.65	.29	.16	.51
29	.16	-.25	.03	-.26	------	.11	-.10	-1.01	-.64	.22	.15	.40
30	.37	-.35	-.04	-.38	------	.49	-.22	-.87	-.53	.30	.19	.41
31	.55	------	.03	-.38	------	.29	------	-.96	------	.17	.07	------
MEAN	.35	.35	-.20	-.13	-.44	-.37	-.44	-.61	-.61	-.02	.21	.45
MAX	.97	1.02	.03	.45	.13	.49	.04	-.16	-.17	.43	.81	1.02
MIN	.01	-.35	-.52	-.49	-1.13	-1.10	-.86	-1.32	-1.31	-.46	-.27	-.01

CAL YR 1972 MEAN .10 MAX 1.03 MIN -1.31
WTR YR 1973 MEAN -.12 MAX 1.02 MIN -1.32

02286143 Intracoastal Waterway at Port Everglades, at Hollywood, Fla.

LOCATION.--Lat 26°05'31", long 80°06'42", in NW quarter sec.24, T.50 S., R.42 E., Broward County, at sea wall of north dock of U.S. Naval Ordnance Laboratory at Port Everglades, 200 ft (61 m) south of Port Everglades Channel, in Hollywood.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage about 0.24 ft (0.073 m) below mean sea level (by water levels).

EXTREMES.--Current year: Maximum gage height, 3.52 ft (1.073 m) Oct. 22; minimum, -1.67 ft (-0.509 m) June 29.
Period of record: Maximum gage height, 3.52 ft (1.073 m) Oct. 22, 1972; minimum, -1.95 ft (-0.594 m) May 13, 1968.

REMARKS.--Gage records water levels and tidal fluctuations at the inlet to Port Everglades. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	2.41	1.61	2.03	2.23	2.12	2.51	2.41	2.38	2.39	2.74	2.24
2	2.26	2.43	1.80	2.10	2.05	2.40	2.71	2.39	2.54	2.41	2.44	2.05
3	2.28	2.38	2.16	2.25	2.11	2.41	2.94	2.49	2.43	2.35	2.25	1.84
4	2.52	2.42	2.21	2.14	2.33	2.64	2.77	2.64	2.38	2.12	2.02	1.76
5	2.79	2.32	2.06	2.15	2.10	2.83	2.54	2.54	2.21	2.27	1.62	1.92
6	3.20	2.37	1.97	2.14	1.91	2.66	2.63	2.49	2.03	2.03	1.69	2.26
7	3.38	2.45	1.84	2.26	1.86	2.67	2.73	2.32	1.99	2.00	1.61	2.06
8	3.17	2.38	1.76	2.31	2.07	2.42	2.73	2.07	2.08	1.80	1.69	2.18
9	2.92	2.29	1.62	2.43	2.18	2.27	2.51	2.10	1.78	2.00	1.71	2.37
10	2.64	2.45	1.66	2.41	2.27	2.31	2.25	1.80	1.95	1.90	1.87	2.48
11	2.40	2.37	1.56	2.55	2.12	2.04	1.87	1.83	1.98	2.00	1.75	2.59
12	2.28	2.19	1.67	2.78	2.34	1.91	2.06	1.91	2.01	1.78	1.91	2.86
13	2.59	2.34	1.71	2.51	2.64	1.81	1.93	1.85	1.98	1.68	2.17	2.88
14	2.27	2.35	1.80	2.61	2.74	2.05	2.16	1.74	1.98	1.80	2.26	2.70
15	2.06	2.37	2.25	2.64	2.68	2.30	2.12	1.75	2.13	1.95	2.26	2.72
16	2.06	2.59	2.01	2.58	2.62	2.52	2.21	2.01	1.99	2.31	2.35	2.76
17	2.07	2.67	2.19	2.78	2.67	2.50	2.49	2.13	1.87	2.42	2.49	2.63
18	2.19	2.81	2.72	2.92	2.69	2.53	2.36	1.94	1.83	2.49	2.60	2.48
19	2.52	2.98	3.01	2.92	2.80	2.62	2.45	2.00	1.80	2.53	2.62	2.36
20	2.73	3.08	2.86	2.72	2.64	2.50	2.28	1.97	1.69	2.58	2.64	2.54
21	2.91	2.90	3.09	2.85	2.52	2.25	2.21	1.99	1.65	2.35	2.65	2.46
22	3.52	2.86	2.66	2.41	2.61	2.06	2.08	2.05	1.58	2.13	2.65	2.63
23	3.44	2.93	2.55	2.04	2.65	2.00	1.92	2.04	1.60	1.88	2.46	2.79
24	3.45	2.70	2.22	1.83	2.25	2.11	1.85	2.03	1.63	1.88	2.39	2.85
25	3.16	2.87	2.05	1.65	1.97	2.23	2.03	1.94	1.86	2.16	2.64	3.01
26	2.91	2.41	2.08	1.66	1.89	2.21	1.99	1.91	1.98	2.35	2.60	2.86
27	2.64	2.01	1.95	1.74	1.84	1.95	1.99	2.02	1.88	2.57	2.64	2.83
28	2.24	1.61	2.11	1.76	1.86	2.03	2.04	2.01	2.16	2.97	2.65	2.66
29	2.20	1.65	1.91	1.75	------	2.15	2.15	2.04	2.22	3.10	2.64	2.72
30	2.20	1.54	2.03	1.65	------	2.27	2.32	2.22	2.35	3.13	2.52	2.48
31	2.24	------	2.09	2.04	------	2.32	------	2.44	------	2.90	2.43	------
MEAN	2.64	2.44	2.10	2.28	2.31	2.29	2.29	2.10	2.00	2.27	2.29	2.50
MAX	3.52	3.08	3.09	2.92	2.80	2.83	2.94	2.64	2.54	3.13	2.74	3.01
MIN	2.06	1.54	1.56	1.65	1.84	1.81	1.85	1.74	1.58	1.68	1.61	1.76

CAL YR 1972 MEAN 2.21 MAX 3.52 MIN 1.30
WTR YR 1973 MEAN 2.29 MAX 3.52 MIN 1.54

02286143 Intracoastal Waterway at Port Everglades, at Hollywood, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.01	-.08	-.74	-.32	-.24	-.08	-.26	-1.10	-1.63	-1.46	-.75	-.56
2	-.33	-.29	-.74	-.37	-.55	-.23	-.45	-1.44	-1.51	-1.54	-.71	-.36
3	-.28	-.34	-.53	-.51	-.91	-.48	-.70	-1.61	-1.34	-1.19	-.67	-.30
4	-.21	-.33	-.45	-.63	-.82	-.33	-.98	-1.46	-1.16	-1.08	-.66	-.29
5	-.04	-.59	-.57	-.67	-.88	-.54	-1.07	-1.14	-1.09	-.63	-.67	-.04
6	.03	-.50	-.68	-.72	-1.11	-.74	-1.06	-1.14	-.96	-.70	-.48	.29
7	.34	-.18	-.99	-.71	-1.05	-.77	-.56	-.93	-.68	-.54	-.56	.19
8	.31	-.25	-.87	-.45	-.82	-.83	-.39	-.61	-.61	-.52	-.36	.12
9	.18	-.16	-.72	-.17	-.54	-.73	-.33	-.55	-.70	-.45	-.49	.14
10	.12	.19	-.76	-.05	-.42	-.87	-.51	-.68	-.68	-.24	-.45	-.01
11	.07	.12	-.67	.21	-.21	-.70	-.36	-.72	-.59	-.27	-.65	-.14
12	.03	.26	-.48	.14	-.03	-.72	-.45	-.80	-.58	-.66	-.84	-.08
13	.55	.46	-.39	-.23	-.26	-.49	-.59	-.95	-.60	-.78	-.49	-.23
14	.46	.39	-.31	-.17	-.55	-.64	-.64	-1.09	-.71	-.87	-.34	-.49
15	.35	.21	-.50	-.66	-.54	-.36	-.88	-1.14	-.60	-.70	-.50	-.41
16	.28	.00	-.87	-.63	-.63	-.40	-.95	-1.04	-.72	-.44	-.45	-.40
17	.04	-.37	-.89	-.70	-.70	-.78	-.80	-.70	-.75	-.25	-.43	-.29
18	-.14	-.63	-1.01	-.75	-.76	-.78	-.67	-.85	-.67	-.27	-.21	-.41
19	-.27	-.72	-1.00	-.82	-.44	-.63	-.56	-.74	-.82	-.03	-.23	-.30
20	-.28	-.82	-1.14	-.83	-.22	-.60	-.41	-.53	-.76	.03	-.17	-.08
21	-.45	-1.13	-.95	-.66	-.12	-.66	-.29	-.36	-.68	-.16	-.08	-.21
22	-.39	-1.12	-.88	-.64	.19	-.60	-.23	-.16	-.63	-.36	-.03	-.21
23	-.51	-.86	-1.02	-.69	.11	-.51	-.25	-.05	-.75	-.55	-.22	-.05
24	-.57	-.73	-1.00	-.75	.14	.05	.11	-.09	-.86	-.75	-.47	-.24
25	-.70	-.23	-.61	-.43	.01	.37	.16	-.10	-.95	-.66	-.04	-.15
26	-.46	-.40	-.33	-.30	.00	.36	.11	-.27	-.95	-.72	-.43	-.44
27	-.35	-.52	-.16	-.18	-.04	.29	.01	-.43	-1.32	-.89	-.59	-.51
28	-.32	-.59	-.23	-.40	-.06	.29	-.26	-.75	-1.48	-.80	-.82	-.52
29	-.17	-.71	-.10	-.48	------	.15	-.52	-1.14	-1.67	-.84	-.83	-.33
30	-.06	-.71	-.19	-.40	------	.11	-.72	-1.40	-1.53	-.77	-.87	-.18
31	-.01	------	-.33	-.32	------	-.07	------	-1.36	------	-.79	-.70	------
MEAN	-.09	-.35	-.65	-.46	-.41	-.38	-.48	-.82	-.93	-.64	-.49	-.22
MAX	.55	.46	-.10	.21	.19	.37	.16	-.05	-.58	.03	-.03	.29
MIN	-.70	-1.13	-1.14	-.83	-1.11	-.87	-1.07	-1.61	-1.67	-1.54	-.87	-.56

CAL YR 1972 MEAN -.52 MAX .55 MIN -1.37
WTR YR 1973 MEAN -.49 MAX .55 MIN -1.67

02286160 Intracoastal Waterway at Hollywood, Fla.

LOCATION.--Lat 26°00'52", long 80°07'09", in NE quarter sec.14, T.51 S., R.42 E., Broward County, at municipal boat dock, 1,000 ft (305 m) north of bridge on State Highway 820, in Hollywood.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1950 to July 1954, February 1968 to current year. Published since February 1968.

GAGE.--Water-stage recorder. Datum of gage is 0.05 ft (0.015 m) below mean sea level (Broward County bench mark).

EXTREMES.--Current year: Maximum gage height, 3.04 ft (0.927 m) Oct. 23; minimum, -1.10 ft (-0.335 m) June 29.
Period of record: Maximum gage height, 3.04 ft (0.927 m) Oct. 23, 1972; minimum, -1.46 ft (-0.445 m) Jan. 9, 1970.

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway at Hollywood, Fla. The stage record published is the maximum and minimum tide event for each calendar day.

WATER TEMPERATURE (°C).--Jan. 5 (1215) 26.0°; Feb. 5 (0820) 22.0°; Mar. 13 (0720) 24.0°; Apr. 3 (1340) 29.0°; May 4 (1100) 29.0°; June 4 (0815) 28.5°; July 8 (1115) 29.5°; Aug. 2 (0825) 30.5°.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	2.12	1.43	1.72	1.99	1.84	2.29	2.00	1.83	1.79	2.35	1.95
2	2.10	2.24	1.57	1.75	1.84	2.14	2.41	1.91	1.92	1.83	2.14	1.84
3	2.06	2.17	1.85	1.97	1.73	2.18	2.59	1.94	1.95	1.90	1.93	1.64
4	2.19	2.15	1.93	1.81	1.85	2.34	2.40	2.07	1.93	1.82	1.77	1.58
5	2.45	2.01	1.84	1.78	1.78	2.41	2.07	2.10	1.76	2.06	1.46	1.79
6	2.88	2.07	1.72	1.85	1.61	2.29	2.11	2.02	1.67	1.79	1.49	1.96
7	2.95	2.28	1.56	1.96	1.59	2.24	2.35	1.88	1.76	1.68	1.45	1.89
8	2.94	2.06	1.48	2.06	1.71	2.23	2.44	1.77	1.82	1.64	1.49	1.99
9	2.69	2.09	1.34	2.06	1.89	2.10	2.15	1.81	1.61	1.80	1.49	2.08
10	2.46	2.24	1.38	2.09	2.16	1.99	1.91	1.61	1.65	1.76	1.66	2.23
11	2.15	2.18	1.28	2.33	1.79	1.79	1.69	1.59	1.69	1.87	1.55	2.36
12	2.02	2.06	1.39	2.49	2.18	1.64	1.83	1.65	1.68	1.53	1.63	2.56
13	2.38	2.21	1.43	2.14	2.39	1.66	1.74	1.63	1.68	1.44	1.94	2.48
14	2.19	2.17	1.57	2.27	2.54	1.86	1.89	1.45	1.65	1.52	1.98	2.35
15	1.93	2.20	1.93	2.28	2.45	2.13	1.77	1.53	1.73	1.71	1.98	2.35
16	1.96	2.34	1.69	2.22	2.17	2.29	1.87	1.67	1.57	1.97	2.04	2.43
17	1.95	2.38	1.72	2.38	2.22	2.27	2.03	1.76	1.71	1.98	2.13	2.28
18	2.02	2.45	2.12	2.51	2.33	2.17	1.97	1.66	1.58	2.11	2.29	2.15
19	2.22	2.53	2.40	2.46	2.42	2.26	2.07	1.63	1.58	2.22	2.36	2.05
20	2.35	2.63	2.26	2.23	2.30	2.20	1.96	1.68	1.44	2.30	2.26	2.19
21	2.58	2.40	2.54	2.47	2.22	2.03	1.98	1.72	1.41	2.17	2.37	2.12
22	2.95	2.32	2.12	2.27	2.22	1.93	1.85	1.78	1.34	1.96	2.33	2.28
23	3.04	2.36	1.95	1.84	2.32	1.78	1.71	1.81	1.32	1.65	2.23	2.40
24	2.95	2.30	1.73	1.58	2.04	1.76	1.65	1.81	1.35	1.63	2.11	2.48
25	2.69	2.59	1.75	1.49	1.78	2.13	1.78	1.81	1.32	1.86	2.32	2.62
26	2.59	2.28	1.82	1.53	1.76	2.15	1.82	1.75	1.63	2.01	2.25	2.47
27	2.39	1.73	1.62	1.54	1.66	1.83	1.29	1.85	1.70	2.06	2.23	2.37
28	2.06	1.44	1.74	1.65	1.62	1.92	1.65	1.75	1.56	2.23	2.23	2.14
29	2.02	1.51	1.63	1.53	------	2.09	1.77	1.69	1.76	2.40	2.27	2.12
30	2.00	1.45	1.77	1.35	------	2.12	1.90	1.80	1.83	2.49	2.11	2.15
31	2.01	------	1.86	1.73	------	2.17	------	1.93	------	2.49	2.12	------
MEAN	2.37	2.17	1.76	1.98	2.02	2.06	1.96	1.78	1.65	1.92	2.00	2.18
MAX	3.04	2.63	2.54	2.51	2.54	2.41	2.59	2.10	1.95	2.49	2.37	2.62
MIN	1.93	1.44	1.28	1.35	1.59	1.64	1.29	1.45	1.32	1.44	1.45	1.58

CAL YR 1972 MEAN 1.94 MAX 3.04 MIN 1.20
WTR YR 1973 MEAN 1.99 MAX 3.04 MIN 1.28

02286160 Intracoastal Waterway at Hollywood, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.06	-.55	-.18	-.12	-.04	.01	-.77	-1.08	-1.00	-.23	-.26
2	-.02	.00	-.63	-.24	-.29	.02	-.19	-.92	-.98	-.92	-.28	-.21
3	-.14	-.09	-.50	-.30	-.61	-.16	-.13	-1.03	-.88	-.81	-.37	-.27
4	.03	-.17	-.33	-.38	-.64	-.03	-.25	-.85	-.78	-.48	-.41	-.19
5	.08	-.32	-.42	-.39	-.59	-.17	-.64	-.75	-.75	-.39	-.53	.01
6	.28	-.31	-.52	-.44	-.77	-.33	-.59	-.74	-.65	-.59	-.41	.19
7	.57	-.01	-.82	-.43	-.66	-.34	-.07	-.59	-.51	-.49	-.44	.18
8	.58	-.08	-.70	-.22	-.48	-.41	-.18	-.44	-.39	-.50	-.30	.18
9	.35	.01	-.55	-.13	-.24	-.39	-.19	-.37	-.53	-.33	-.47	.00
10	.33	.26	-.59	.03	-.40	-.53	-.39	-.47	-.50	-.20	-.30	.07
11	.23	.25	-.50	.25	-.16	-.53	-.29	-.55	-.47	-.19	-.38	.17
12	.02	.30	-.31	.13	.06	-.56	-.23	-.57	-.46	-.48	-.47	.21
13	.48	.49	-.59	-.07	.07	-.34	-.39	-.70	-.47	-.61	-.30	.06
14	.50	.43	-.22	-.06	.06	-.29	-.41	-.81	-.56	-.67	-.18	-.23
15	.32	.30	-.32	-.18	-.14	-.39	-.59	-.84	-.46	-.48	-.23	-.23
16	.22	.20	-.38	-.36	-.27	-.04	-.57	-.80	-.52	-.28	-.15	-.21
17	.13	.04	-.65	-.34	-.37	-.28	-.45	-.54	-.61	-.19	-.16	-.18
18	.10	-.02	-.57	-.28	-.33	-.42	-.43	-.67	-.57	-.07	.01	-.23
19	.01	-.23	-.41	-.31	-.11	-.31	-.32	-.57	-.66	.14	.01	-.29
20	-.08	-.36	-.49	-.39	-.04	-.20	-.31	-.37	-.57	.16	.00	-.07
21	-.19	-.54	-.35	-.25	.02	-.28	-.18	-.32	-.59	-.01	.13	-.14
22	.02	-.60	-.22	-.23	.24	-.47	-.22	-.17	-.53	-.12	.15	-.04
23	.07	-.53	-.48	-.49	.12	-.41	-.24	-.03	-.65	-.46	.01	.19
24	.08	-.42	-.67	-.56	.10	.04	-.18	-.01	-.72	-.60	-.21	.14
25	-.16	.01	-.39	-.35	.05	.46	.11	-.08	-.73	-.50	-.12	.18
26	-.10	-.28	-.19	-.30	-.01	.34	.04	-.23	-.74	-.51	-.28	.01
27	-.06	-.42	-.13	-.16	-.07	.25	-.10	-.20	-.79	-.56	-.33	-.13
28	-.16	-.45	-.15	-.32	-.02	.28	-.37	-.52	-.88	-.40	-.34	-.19
29	-.08	-.59	-.03	-.39	------	.30	-.51	-.80	-1.10	-.38	-.36	-.17
30	.05	-.46	-.06	-.48	------	.22	-.63	-.91	-1.02	-.14	-.39	-.16
31	.08	------	-.08	-.40	------	.09	------	-.88	------	-.19	-.32	------
MEAN	.12	-.12	-.41	-.27	-.20	-.16	-.30	-.56	-.67	-.40	-.25	-.05
MAX	.58	.49	-.03	.25	.24	.46	.11	-.01	-.39	.16	.15	.21
MIN	-.19	-.60	-.82	-.56	-.77	-.56	-.64	-1.03	-1.10	-1.00	-.53	-.29

CAL YR 1972 MEAN -.28 MAX .58 MIN -1.13
WTR YR 1973 MEAN -.27 MAX .58 MIN -1.10

02286170 Intracoastal Waterway at Golden Beach, Fla.

LOCATION.--Lat 25°57'36", long 80°07'18", in NE quarter sec.2 T.52 S., R.42 E., Dade County, on south side of bridge on Verona Ave., 1.0 mi (1.6 km) south of the Broward County line at Golden Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 3.05 ft (0.930 m) Oct. 23; minimum, -1.11 ft (-0.338 m) June 1.
Period of record: Maximum gage height, 3.05 ft (0.930 m) Oct. 23, 1972; minimum, -1.56 ft (-0.475 m) Jan. 9, 1970.

REMARKS.--Gage records water levels and tidal fluctuations in the Intracoastal Waterway at Golden Beach, Fla. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.18	2.06	1.40	1.73	1.94	1.73	2.27	2.00	1.82	1.82	2.19	2.21
2	2.03	2.23	1.49	1.75	1.82	2.08	2.39	1.91	1.65	1.67	2.11	2.00
3	2.00	2.14	1.79	2.03	1.63	2.16	2.63	1.93	1.93	1.88	1.90	1.79
4	2.12	2.12	1.87	1.83	1.77	2.30	2.49	1.99	1.95	1.80	1.71	1.64
5	2.35	2.00	1.84	1.79	1.70	2.39	2.01	2.05	1.73	2.04	1.40	1.81
6	2.83	2.01	1.71	1.84	1.56	2.25	1.85	1.95	1.62	1.72	1.42	1.80
7	2.86	2.29	1.40	2.02	1.55	2.20	2.42	1.82	1.73	1.68	1.36	1.89
8	2.92	1.92	1.48	2.02	1.73	2.10	2.45	1.74	1.81	1.48	1.39	1.96
9	2.64	2.05	1.38	1.92	1.91	2.08	2.08	1.78	1.57	1.75	1.41	2.04
10	2.36	2.17	1.37	2.08	2.15	1.95	1.84	1.60	1.58	1.71	1.63	2.21
11	2.09	2.10	1.44	2.26	1.69	1.73	1.68	1.55	1.64	1.77	1.50	2.39
12	1.87	2.00	1.59	2.38	2.11	1.57	1.80	1.63	1.62	1.45	1.58	2.57
13	2.29	2.15	1.55	2.01	2.32	1.62	1.71	1.59	1.62	1.39	1.92	2.44
14	2.17	2.14	1.59	2.12	2.53	1.84	1.84	1.39	1.60	1.45	1.98	2.31
15	1.85	2.14	1.98	2.20	2.41	2.10	1.73	1.52	1.68	1.62	1.98	2.36
16	1.89	2.23	1.71	2.13	2.12	2.26	1.86	1.65	1.66	1.88	2.03	2.43
17	1.89	2.32	1.65	2.34	2.17	2.26	1.98	1.66	1.33	1.77	2.08	2.31
18	1.96	2.38	2.12	2.48	2.32	2.14	1.97	1.64	1.54	1.95	2.24	2.14
19	2.16	2.49	2.48	2.42	2.41	2.24	2.00	1.39	1.56	2.17	2.35	2.03
20	2.28	2.64	2.32	2.23	2.25	2.16	1.92	1.61	1.38	2.28	2.22	2.11
21	2.54	2.34	2.70	2.50	2.16	2.00	1.71	1.67	1.43	2.16	2.35	2.06
22	2.87	2.25	2.21	2.19	2.17	1.58	1.81	1.74	1.27	1.96	2.35	2.27
23	3.05	2.28	1.95	1.81	2.27	1.72	1.67	1.77	1.28	1.61	2.28	2.39
24	2.92	2.27	1.71	1.57	1.98	1.71	1.60	1.77	1.26	1.54	2.08	2.49
25	2.62	2.60	1.82	1.42	1.70	2.12	1.78	1.78	1.55	1.86	2.33	2.63
26	2.55	2.30	1.90	1.49	1.71	2.18	1.82	1.73	1.67	1.98	2.26	2.48
27	2.34	1.69	1.62	1.51	1.57	1.77	1.78	1.84	1.48	2.02	2.23	2.31
28	2.07	1.43	1.71	1.62	1.56	1.84	1.66	1.73	1.67	2.18	2.22	2.30
29	2.00	1.47	1.63	1.45	------	2.07	1.76	1.62	1.74	2.39	2.31	2.35
30	1.95	1.44	1.81	1.21	------	2.07	1.92	1.76	1.81	2.49	2.28	2.16
31	1.95	------	1.92	1.65	------	2.16	------	1.88	------	2.40	2.35	------
MEAN	2.31	2.12	1.78	1.94	1.97	2.01	1.95	1.73	1.61	1.87	1.98	2.20
MAX	3.05	2.64	2.70	2.50	2.53	2.39	2.63	2.05	1.95	2.49	2.35	2.63
MIN	1.85	1.43	1.37	1.21	1.55	1.57	1.60	1.39	1.26	1.39	1.36	1.64

CAL YR 1972 MEAN 1.89 MAX 3.05 MIN 1.14
WTR YR 1973 MEAN 1.95 MAX 3.05 MIN 1.21

02286170 Intracoastal Waterway at Golden Beach, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.20	-.02	-.59	-.32	-.19	-.17	-.02	-.72	-1.11	-1.01	-.21	-.20
2	-.12	-.11	-.72	-.46	-.33	-.11	-.29	-.92	-1.05	-.92	-.29	.17
3	-.21	-.15	-.60	-.39	-.68	-.26	-.11	-1.02	-.94	-.80	-.44	.06
4	-.05	-.27	-.40	-.53	-.79	-.14	-.25	-.93	-.90	-.70	-.47	.27
5	-.06	-.37	-.50	-.56	-.73	-.27	-.77	-.88	-.85	-.38	-.59	.09
6	.20	-.41	-.60	-.58	-.89	-.48	-.67	-.87	-.76	-.59	-.49	.14
7	.41	-.06	-.91	-.54	-.79	-.48	-.10	-.73	-.58	-.48	-.49	.13
8	.45	-.24	-.75	-.31	-.60	-.53	-.29	-.58	-.48	-.51	-.41	.20
9	.20	-.08	-.73	-.30	-.26	-.50	-.36	-.45	-.63	-.41	-.51	.04
10	.19	.11	-.84	-.10	-.56	-.67	-.44	-.56	-.60	-.26	-.34	.06
11	.09	.16	-.57	.08	-.31	-.64	-.41	-.66	-.57	-.31	-.40	.14
12	-.11	.18	-.33	.02	-.09	-.67	-.34	-.66	-.55	-.52	-.57	.17
13	.34	.38	-.39	-.18	.38	-.45	-.52	-.80	-.58	-.69	-.33	-.01
14	.37	.27	-.36	-.18	.02	-.19	-.53	-.88	-.67	-.75	-.20	-.28
15	.21	.19	-.52	.16	-.18	-.49	-.70	-.93	-.58	-.55	-.29	-.30
16	.09	.13	-.40	-.49	-.42	-.10	-.67	-.88	-.58	-.38	-.22	-.24
17	.06	.24	-.85	-.45	-.51	-.45	-.56	-.64	-.71	-.32	-.25	-.22
18	-.02	-.09	-.74	-.40	-.45	-.53	-.54	-.72	-.67	-.13	-.07	-.27
19	-.10	-.32	-.51	-.43	-.25	-.43	-.42	-.61	-.76	.06	-.05	-.33
20	-.21	-.45	-.62	-.54	-.18	-.28	-.43	-.39	-.66	.12	-.04	-.15
21	-.36	-.64	-.43	-.39	-.07	-.32	-.30	-.39	-.67	-.09	.14	-.19
22	-.14	-.72	-.37	-.38	.11	-.60	-.30	-.23	-.65	-.19	.13	-.11
23	-.07	-.69	-.64	-.61	.03	-.53	-.33	-.14	-.76	-.54	.01	.15
24	.00	-.54	-.85	-.69	-.01	-.05	.01	-.08	-.79	-.64	-.22	.13
25	-.28	-.08	-.53	-.48	.00	.48	.09	-.19	-.76	-.56	-.10	.18
26	-.18	-.36	-.33	-.40	-.13	.21	.04	-.28	-.85	-.57	-.28	.01
27	-.12	-.51	-.27	-.27	-.22	.14	-.12	-.23	-1.01	-.59	-.35	-.15
28	-.24	-.51	-.30	-.50	.01	.21	-.38	-.58	-.96	-.52	-.39	-.21
29	-.19	-.59	-.13	.00	------	.14	-.49	-.89	-1.10	-.42	-.40	.06
30	-.03	-.23	.19	-.65	------	.28	-.62	-.95	-1.02	-.13	-.37	-.01
31	.04	------	-.15	-.56	------	.04	------	-.98	------	-.21	-.20	------
MEAN	.00	-.19	-.51	-.37	-.29	-.25	-.36	-.64	-.76	-.45	-.28	-.02
MAX	.45	.38	.19	.16	.38	.48	.09	-.08	-.48	.12	.14	.27
MIN	-.36	-.72	-.91	-.69	-.89	-.67	-.77	-1.02	-1.11	-1.01	-.59	-.33

CAL YR 1972 MEAN -.37 MAX .45 MIN -1.20
WTR YR 1973 MEAN -.34 MAX .48 MIN -1.11

02286200 Snake Creek Canal at N. W. 67th Avenue, near Hialeah, Fla.

LOCATION.--Lat 25°57'50", long 80°18'40", in SW quarter sec.36, T.51 S., R.40 E., Broward County, near center of span on downstream side of bridge at N. W. 67th Avenue, 6.0 mi (9.6 km) north of Hialeah, Dade County, 10.9 mi (17.5 km) upstream from salinity-control structure 29, and 11 mi (17.7 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to February 1962 (gage heights only), March 1962 to current year. Published since October 1961.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (State Department of Transportation bench mark). Prior to Mar. 15, 1962, water-stage recorder 10 ft (3 m) downstream at same datum.

AVERAGE DISCHARGE.--11 years (1962-1973) 329 cfs (9.317 cu m/s), 238,200 acre-ft/yr (294 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 743 cfs (21.0 cu m/s) Sept. 23; maximum gage height, 3.60 ft (1.097 m) Sept. 22; minimum daily reverse flow, 3.7 cfs (0.10 cu m/s) May 9; minimum gage height, 1.85 ft (0.564 m) Mar. 25 and Apr. 19.
Period of record: Maximum daily discharge, 1,800 cfs (51.0 cu m/s) June 14, 1969; maximum gage height, 4.53 ft (1.381 m) Oct. 31, 1969; maximum reverse flow, 537 cfs (15.2 cu m/s) Sept. 8, 1965; minimum gage height, 0.58 ft (0.177 m) June 22, 1960.

REMARKS.--Records fair. Flow affected by regulation at salinity-control structure 29, at times by tide, and is occasionally reversed. Discharge computed from continuous velocity record obtained from recording deflection meter.

WATER TEMPERATURE (°C).--Dec. 3 (0730) 23.5°; Mar. 2 (0950) 23.0°; Apr. 3 (1315) 27.0°; Apr. 25 (1200) 26.0°; May 1 (1538) 25.0°; June 1 (1330) 29.0°; July 3 (1200) 29.0°; Aug. 3 (0820) 30.5°; Sept. (1415) 30.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	171	308	85	36	32	75	39	59	13	195	525	536
2	179	290	59	32	156	71	40	53	7.9	203	484	544
3	154	260	234	29	208	73	32	53	9.6	236	288	507
4	303	193	334	33	198	73	41	72	9.4	199	315	490
5	355	542	199	123	119	68	27	71	10	174	322	465
6	319	272	73	41	45	64	18	54	15	175	330	489
7	285	512	114	32	33	63	18	39	17	174	306	438
8	155	720	133	24	25	65	34	39	25	260	407	463
9	162	605	165	22	29	54	41	-3.7	26	336	511	463
10	177	551	78	21	61	54	24	12	21	271	579	453
11	218	518	146	460	26	55	23	-.20	20	335	542	437
12	250	474	87	563	20	53	21	2.0	17	415	500	283
13	208	396	90	415	23	52	25	.20	37	363	521	187
14	208	305	262	361	24	46	18	6.9	27	426	462	222
15	192	464	246	295	88	30	21	11	60	457	456	263
16	175	508	349	190	87	44	20	11	98	399	337	210
17	199	475	283	153	26	49	19	12	117	389	215	234
18	251	363	88	124	12	48	22	12	140	417	366	186
19	134	202	165	50	149	48	49	14	125	433	477	171
20	147	232	132	38	161	38	74	8.3	322	399	559	224
21	223	182	160	26	92	72	46	16	533	384	621	257
22	152	155	331	29	30	49	45	12	471	405	682	364
23	152	170	339	33	43	39	55	11	396	411	621	743
24	213	164	269	164	28	29	50	9.5	336	425	642	736
25	152	139	239	198	143	28	48	11	253	406	663	707
26	167	231	215	124	75	317	53	12	196	334	622	695
27	171	180	205	82	144	256	194	12	268	306	588	653
28	240	152	206	109	84	61	57	13	332	444	542	637
29	569	191	140	128	------	55	34	16	212	575	428	583
30	457	281	39	44	------	41	31	16	175	585	560	557
31	387	------	35	22	------	40	------	13	------	553	505	------
TOTAL	7,125	10,035	5,500	4,001	2,161	2,110	1,219	667.00	4,288.9	11,084	14,976	13,197
MEAN	230	335	177	129	77.2	68.1	40.6	21.5	143	358	483	440
MAX	569	720	349	563	208	317	194	72	533	585	682	743
MIN	134	139	35	21	12	28	18	-3.7	7.9	174	215	171
AC-FT	14,130	19,900	10,910	7,940	4,290	4,190	2,420	1,320	8,510	21,990	29,700	26,180

CAL YR 1972 TOTAL 100,909.00 MEAN 276 MAX 736 MIN 25 AC-FT 200,200
WTR YR 1973 TOTAL 76,363.90 MEAN 209 MAX 743 MIN -3.7 AC-FT 151,500

02286200 Snake Creek Canal at N. W. 67th Avenue, near Hialeah, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	2.58	2.38	2.50	2.58	2.47	2.36	2.09	2.20	2.46	2.46	2.64
2	2.51	2.57	2.53	2.51	2.47	2.48	2.34	2.14	2.15	2.42	2.35	2.56
3	2.51	2.58	2.47	2.54	2.44	2.48	2.33	2.10	2.09	2.65	2.53	2.42
4	2.56	2.63	2.39	2.54	2.38	2.46	2.28	2.09	2.08	2.63	2.52	2.32
5	2.60	2.20	2.40	2.44	2.35	2.45	2.24	2.22	2.09	2.59	2.45	2.29
6	2.55	2.51	2.56	2.44	2.47	2.43	2.19	2.24	2.06	2.50	2.41	2.27
7	2.47	2.71	2.57	2.49	2.51	2.41	2.17	2.21	2.05	2.42	2.51	2.33
8	2.55	2.52	2.53	2.49	2.52	2.38	2.15	2.17	2.23	2.47	2.75	2.29
9	2.54	2.41	2.50	2.49	2.52	2.38	2.13	2.26	2.26	2.76	2.92	2.18
10	2.50	2.30	2.55	2.50	2.54	2.38	2.09	2.51	2.24	2.75	2.66	2.14
11	2.58	2.22	2.48	2.69	2.52	2.38	2.04	2.52	2.21	2.87	2.58	2.15
12	2.54	2.17	2.50	2.72	2.51	2.36	2.02	2.49	2.13	2.76	2.44	2.26
13	2.59	2.19	2.54	2.66	2.51	2.33	1.98	2.41	2.12	2.77	2.44	2.53
14	2.56	2.57	2.48	2.55	2.50	2.32	1.95	2.37	2.15	2.98	2.41	2.52
15	2.49	2.58	2.50	2.50	2.48	2.29	1.93	2.42	2.16	3.03	2.27	2.43
16	2.52	2.34	2.52	2.55	2.47	2.26	1.92	2.43	2.29	2.99	2.37	2.50
17	2.58	2.21	2.46	2.54	2.48	2.26	1.91	2.40	2.40	2.94	2.55	2.48
18	2.48	2.26	2.57	2.56	2.52	2.28	1.89	2.34	2.54	2.92	2.66	2.46
19	2.51	2.56	2.48	2.71	2.53	2.26	1.87	2.29	2.41	2.92	2.84	2.53
20	2.55	2.53	2.53	2.76	2.48	2.24	2.02	2.24	2.56	2.83	2.87	2.52
21	2.51	2.55	2.49	2.77	2.47	2.26	2.02	2.20	2.81	2.85	2.80	2.57
22	2.56	2.56	2.57	2.77	2.53	2.32	2.01	2.18	2.74	2.87	2.87	2.73
23	2.58	2.53	2.58	2.79	2.50	2.29	1.99	2.13	2.64	2.85	2.72	3.23
24	2.49	2.56	2.51	2.69	2.52	2.26	1.98	2.14	2.58	2.80	2.74	3.06
25	2.54	2.57	2.43	2.53	2.42	2.22	1.96	2.20	2.52	2.69	2.90	2.99
26	2.58	2.53	2.37	2.53	2.46	2.27	1.93	2.24	2.51	2.62	2.78	2.87
27	2.50	2.52	2.33	2.55	2.47	2.17	2.18	2.35	2.52	2.69	2.65	2.73
28	2.57	2.53	2.28	2.51	2.47	2.40	2.24	2.37	2.54	2.91	2.56	2.54
29	2.69	2.52	2.27	2.42	------	2.41	2.18	2.36	2.47	2.90	2.80	2.45
30	2.68	2.30	2.42	2.53	------	2.39	2.12	2.33	2.52	2.75	2.46	2.28
31	2.61	------	2.49	2.56	------	2.39	------	2.29	------	2.61	2.42	------
MEAN	2.54	2.46	2.47	2.58	2.49	2.34	2.08	2.28	2.34	2.75	2.60	2.51
MAX	2.69	2.71	2.58	2.79	2.58	2.48	2.36	2.52	2.81	3.03	2.92	3.23
MIN	2.39	2.17	2.27	2.42	2.35	2.17	1.87	2.09	2.05	2.42	2.27	2.14

CAL YR 1972 MEAN 2.44 MAX 3.06 MIN 1.90
WTR YR 1973 MEAN 2.46 MAX 3.23 MIN 1.87

02286300 Snake Creek Canal at S-29, at North Miami Beach, Fla.

LOCATION.--Lat 25°55'41", long 80°09'22", in SE quarter sec.9, T.52 S., R.42 E., Dade County, on downstream side of bridge on West Dixie Highway in North Miami Beach, 25 ft (8 m) from right bank, 0.3 mi (0.5 km) upstream from salinity-control structure 29, and 0.4 mi (0.6 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

RECORDS AVAILABLE.--January 1959 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.--14 years, 403 cfs (11.41 cu m/s), 291,800 acre-ft/yr (360 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,370 cfs (38.8 cu m/s) Sept. 23; maximum gage height, 2.70 ft (0.823 m) Sept. 22, 23; no flow for many days; minimum gage height, -0.03 ft (-0.009 m) July 29, Sept. 28.
Period of record: Maximum daily discharge, 4,100 cfs (116 cu m/s) Sept. 19, 1964; maximum gage height, 3.88 ft (1.183 m) Sept. 8, 1965; no flow for some days for each year; minimum gage height, -1.00 ft (-0.305 m) Feb. 4, 1970.

REMARKS.--Records fair. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure 29 and by some upstream pumpage for irrigation. Discharge computed from continuous-velocity record obtained from recording deflection meter, and head-discharge relations.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE (°C).--Dec. 14 (1315) 25.5°; Jan. 3 (0840) 21.5°; Feb. 6 (1320) 24.0°; Mar. 1 (0810) 19.5°; Mar. 26 (1310) 25.0°; Apr. 3 (0820) 25.0°; May 1 (1440) 25.5°; June 1 (0750) 29.0°; July 3 (0815) 28.5°; Aug. 1 (0830) 28.5°; Sept. 3 (0800) 30.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	212	0	0	0	0	0		0	412	986	1,210
2	300	323	0	0	188	0	0		0	364	988	1,110
3	302	237	283	0	266	0	0		0	359	141	1,140
4	293	245	271	0	210	0	0		0	350	461	1,050
5	369	516	144	154	89	0	0		0	345	535	808
6	411	160	0	0	0	0	0		0	344	505	749
7	427	636	179	0	0	0	0		0	344	616	969
8	163	1,100	27	0	0	0	0		0	345	1,110	907
9	156	886	151	0	0	0	0		0	345	1,270	995
10	245	827	0	0	0	0	0		0	334	868	937
11	279	720	168	619	0	0	0		0	522	780	1,000
12	388	728	0	599	0	0	0		0	652	619	1,140
13	211	384	0	431	0	0	0		0	599	1,020	611
14	222	195	321	428	0	0	0		0	670	1,180	368
15	208	840	277	316	129	0	0		0	794	1,340	828
16	137	719	259	296	122	0	0		0	659	604	423
17	0	681	308	182	0	0	0		0	626	331	602
18	214	278	0	188	0	0	0		181	583	582	279
19	0	81	206	0	259	0	0		76	613	788	186
20	73	280	73	0	180	0	0		356	610	1,140	208
21	248	156	219	0	85	0	0		774	597	1,170	421
22	95	170	279	0	21	0	0		742	808	1,140	538
23	86	226	244	0	74	0	0		569	733	1,240	1,370
24	179	125	263	317	49	0	0		585	739	1,230	1,110
25	47	92	287	371	269	0	0		471	702	1,310	1,140
26	82	202	249	218	0	548	0		361	623	1,110	1,180
27	92	238	255	99	109	104	21		412	569	1,100	1,220
28	208	181	235	250	0	61	0		607	710	1,020	1,260
29	317	316	130	115	------	36	0		326	1,120	684	1,050
30	368	339	0	0	------	0	0		389	1,170	1,060	1,150
31	330	------	0	0	------	0	------		------	1,040	1,140	------
TOTAL	6,704	12,093	4,828	4,583	2,050	749	21	0	5,849	18,681	28,068	25,959
MEAN	216	403	156	148	73.2	24.2	.70	0	195	603	905	865
MAX	427	1,100	321	619	269	548	21	0	774	1,170	1,340	1,370
MIN	0	81	0	0	0	0	0	0	0	334	141	186
AC-FT	13,300	23,990	9,580	9,090	4,070	1,490	42	0	11,600	37,050	55,670	51,490

CAL YR 1972 TOTAL 145,068.00 MEAN 396 MAX 1,870 MIN 0 AC-FT 287,700
WTR YR 1973 TOTAL 109,585.00 MEAN 300 MAX 1,370 MIN 0 AC-FT 217,400

02286300 Snake Creek Canal at S-29, at North Miami Beach, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.18	2.13	2.18	2.26	2.27	2.21	2.10	1.79	1.96	2.08	1.11	1.36
2	2.10	2.12	2.28	2.30	2.15	2.21	2.10	1.83	1.88	2.05	1.03	1.40
3	2.12	2.18	2.12	2.27	2.12	2.21	2.05	1.81	1.82	2.22	2.01	1.25
4	2.11	2.25	2.03	2.26	2.04	2.19	2.08	1.84	1.78	2.20	1.96	1.38
5	2.13	1.46	2.08	2.13	2.06	2.16	2.03	1.94	1.80	2.16	1.88	1.43
6	2.11	2.15	2.31	2.21	2.25	2.16	1.94	1.94	1.77	2.07	1.83	1.29
7	2.06	1.85	2.28	2.23	2.27	2.13	1.88	1.89	1.81	1.99	1.90	1.44
8	2.25	1.18	2.18	2.23	2.28	2.15	1.93	1.85	1.97	1.94	1.97	1.42
9	2.23	1.35	2.16	2.26	2.28	2.15	1.92	2.04	1.99	2.19	1.73	1.24
10	2.14	1.36	2.27	2.26	2.39	2.17	1.88	2.31	2.00	2.21	1.10	1.31
11	2.15	1.34	2.17	2.07	2.34	2.17	1.84	2.28	1.96	2.17	1.11	1.33
12	2.08	1.29	2.19	2.09	2.27	2.12	1.78	2.20	1.88	1.93	1.10	1.80
13	2.25	1.61	2.27	2.14	2.24	2.11	1.77	2.13	1.87	2.07	1.08	2.27
14	2.20	2.21	2.09	2.05	2.22	2.05	1.69	2.10	1.92	2.21	1.24	2.22
15	2.14	1.74	2.14	2.11	2.21	2.00	1.64	2.17	1.92	2.14	1.07	2.07
16	2.24	1.41	2.13	2.16	2.18	2.00	1.63	2.19	2.06	2.22	1.57	2.16
17	2.30	1.40	2.09	2.15	2.25	2.04	1.60	2.13	2.14	2.22	2.06	2.15
18	2.13	1.76	2.26	2.20	2.27	2.06	1.60	2.11	2.20	2.18	2.01	2.16
19	2.27	2.28	2.15	2.48	2.20	2.02	1.60	2.06	2.10	2.12	2.02	2.19
20	2.27	2.19	2.26	2.51	2.21	1.99	1.74	2.02	2.05	2.04	1.69	2.18
21	2.13	2.30	2.15	2.47	2.23	2.07	1.73	1.97	2.01	2.11	1.34	2.20
22	2.24	2.29	2.15	2.49	2.30	2.09	1.69	1.92	1.98	2.06	1.34	2.13
23	2.29	2.28	2.24	2.60	2.24	2.02	1.71	1.87	2.03	2.05	1.36	1.66
24	2.19	2.32	2.17	2.34	2.30	1.94	1.69	1.88	2.02	2.01	1.23	1.55
25	2.28	2.29	2.12	2.10	2.10	1.92	1.68	1.96	2.02	1.95	1.37	1.61
26	2.27	2.26	2.07	2.19	2.23	1.70	1.67	1.97	2.09	1.99	1.35	1.38
27	2.23	2.17	2.00	2.25	2.19	1.83	1.93	2.08	2.04	2.03	1.31	1.31
28	2.22	2.21	1.95	2.20	2.22	2.13	2.02	2.11	1.96	2.09	1.36	1.00
29	2.19	2.16	1.95	2.14	------	2.10	1.91	2.10	2.08	1.47	1.92	1.10
30	2.22	1.91	2.14	2.29	------	2.11	1.84	2.06	2.16	1.15	1.14	1.07
31	2.15	------	2.22	2.27	------	2.09	------	2.02	------	1.09	1.19	------
MEAN	2.19	1.92	2.15	2.25	2.23	2.07	1.82	2.02	1.98	2.01	1.50	1.64
MAX	2.30	2.32	2.31	2.60	2.39	2.21	2.10	2.31	2.20	2.22	2.06	2.27
MIN	2.06	1.18	1.95	2.05	2.04	1.70	1.60	1.79	1.77	1.09	1.03	1.00

CAL YR 1972 MEAN 1.91 MAX 2.35 MIN .86
WTR YR 1973 MEAN 1.98 MAX 2.60 MIN 1.00

02286320 Biscayne Canal at Red Road, near Opa-locka, Fla.

LOCATION.--Lat 25°54'47", long 80°17'37", in NE quarter sec.24, T.52 S., R.40 E., Dade County, 120 ft (37 m) upstream from bridge on Red Road, 250 ft (76 m) west of Opa-locka U.S. Coast Guard Air Station, and 2.5 mi (4.0 km) west of Opa-locka.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1941 to May 1945 (about twice monthly), March 1946 to June 1948 (monthly), and March 1951 to current year gage heights only. Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Feb. 12, 1942, nonrecording gage at site 170 ft (52 m) downstream at datum 1.14 ft (0.347 m) lower and Feb. 12, 1942, to June 16, 1948, at datum 1.34 ft (0.408 m) higher. March 28, 1951, to July 12, 1960, water-stage recorder at site 170 ft (52 m) downstream at present datum.

EXTREMES.--Current year: Maximum gage height, 2.66 ft (0.811 m) Sept. 22; minimum, 1.44 ft (0.439 m) Feb. 11.
Period of record: Maximum gage height observed, 8.12 ft (2.475 m) at present datum Oct. 16, 1947; minimum, 0.57 ft (0.174 m) Feb. 17, 22, 1954.

REMARKS.--Water level at this station affected by inflow from several lateral canals, by regulation at salinity-control structure 28, 9 mi (14 km) downstream and at times by tide.

WATER TEMPERATURE (°C).--Jan. 2 (1540) 23.0°; Feb. 1 (1200) 20.5°; Mar. 1 (1315) 22.0°; Apr. 3 (1330) 27.0°; May 1 (1505) 25.5°; June 1 (1310) 29.0°; July 3 (1215) 29.5°; Aug. 3 (0830) 30.5°; Sept. 3 (1400) 30.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.10	2.06	2.03	2.04	2.07	1.98	1.87	1.77	1.89	2.09	2.07	2.26
2	2.09	2.05	2.04	2.04	2.08	1.98	1.86	1.77	1.87	2.03	2.05	2.21
3	2.09	2.07	2.06	2.06	1.99	1.98	1.93	1.76	1.84	2.12	2.09	2.12
4	1.95	2.09	2.06	2.06	2.03	1.98	1.91	1.75	1.84	2.07	2.06	2.06
5	2.08	2.03	2.07	2.06	2.04	1.97	1.89	1.78	1.85	2.08	2.07	2.06
6	2.09	2.11	2.08	2.05	2.04	1.96	1.86	1.79	1.83	2.06	2.06	2.06
7	2.03	2.10	2.09	2.05	2.04	1.97	1.85	1.78	1.82	2.00	1.93	2.11
8	2.09	2.10	2.04	2.02	2.04	1.97	1.83	1.77	1.94	2.06	2.05	2.10
9	2.09	2.13	2.04	2.01	2.04	1.96	1.82	1.85	1.95	1.92	2.06	2.02
10	2.08	2.07	2.03	2.03	1.90	1.97	1.79	1.90	1.94	2.08	2.25	2.02
11	2.05	2.08	2.02	2.13	1.64	1.96	1.75	2.02	1.91	2.09	2.26	2.05
12	2.08	2.08	2.01	2.11	1.89	1.95	1.72	1.98	1.87	2.09	2.07	2.10
13	2.05	2.03	2.01	2.03	1.94	1.92	1.70	2.06	1.85	2.10	2.03	1.95
14	2.09	2.11	2.07	2.03	1.96	1.91	1.68	2.04	1.86	2.19	2.05	2.08
15	2.03	2.14	2.08	2.02	2.04	1.90	1.68	1.96	1.87	2.11	2.02	2.07
16	1.85	2.03	2.03	2.07	1.97	1.89	1.67	2.02	1.88	2.09	2.04	2.07
17	2.02	2.07	2.00	2.04	2.04	1.89	1.65	2.04	1.91	2.08	1.93	2.07
18	2.07	2.09	2.05	2.06	2.12	1.91	1.62	1.99	1.96	2.07	2.08	1.93
19	2.07	2.10	2.04	2.06	2.10	1.92	1.60	1.99	1.94	2.09	2.09	2.06
20	2.06	2.07	2.05	2.05	2.05	1.91	1.61	1.98	2.09	2.09	2.15	2.06
21	2.11	2.03	2.06	2.05	2.02	1.96	1.62	1.95	2.07	2.10	2.23	2.06
22	2.09	2.06	2.09	2.08	2.04	1.91	1.62	1.92	2.07	2.10	2.29	2.16
23	2.11	2.06	2.07	2.05	2.05	1.86	1.61	1.88	2.04	2.11	2.19	2.46
24	2.09	2.07	2.03	1.95	2.05	1.88	1.60	1.88	2.00	2.03	2.16	2.38
25	2.09	2.09	2.02	2.00	2.06	1.89	1.59	1.93	2.01	2.09	2.22	2.36
26	2.11	2.05	1.99	2.03	2.07	1.96	1.58	1.95	2.04	2.08	2.16	2.26
27	2.11	2.04	2.01	2.05	1.96	1.86	1.70	2.01	2.04	1.91	2.16	2.15
28	2.09	2.05	2.02	2.04	1.93	1.86	1.79	2.03	2.07	2.10	2.12	2.09
29	2.13	2.09	2.01	1.92	------	1.89	1.81	2.01	2.03	2.07	2.14	2.08
30	2.13	2.07	2.03	1.93	------	1.85	1.80	1.98	1.99	2.07	2.10	2.09
31	1.99	------	2.05	2.01	------	1.88	------	1.94	------	2.10	2.13	------
MEAN	2.07	2.07	2.04	2.04	2.01	1.93	1.73	1.92	1.94	2.07	2.11	2.12
MAX	2.13	2.14	2.09	2.13	2.12	1.98	1.93	2.06	2.09	2.19	2.29	2.46
MIN	1.85	2.03	1.99	1.92	1.64	1.85	1.58	1.75	1.82	1.91	1.93	1.93

CAL YR 1972 MEAN 2.03 MAX 2.55 MIN 1.85
WTR YR 1973 MEAN 2.00 MAX 2.46 MIN 1.58

02286340 Biscayne Canal at S-28, near Miami, Fla.

LOCATION.--Lat 25°52'24", long 80°10'55", in SE quarter sec.31, T.52 S., R.42 E., Dade County, on upstream side of footbridge, 75 ft (23 m) from north bank, 300 ft (91 m) upstream from salinity-control structure 28, 0.5 mi (0.8 km) upstream from U. S. Highway 1, 1 mi (2 km) above mouth, and 1.5 mi (2.4 km) north of north boundary of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1962 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.--11 years, 120 cfs (3.398 cu m/s), 86,880 acre-ft/yr (107 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 475 cfs (13.5 cu m/s) Sept. 1; maximum gage height, 2.57 ft (0.783 m) Aug. 21, Sept. 22; no flow for many days; minimum gage height, 0.08 ft (0.024 m) Feb. 10.
Period of record: Maximum daily discharge, 1,640 cfs (46.4 cu m/s) May 29, 1966; maximum gage height, 4.24 ft (1.292 m) Oct. 31, 1965; no flow on some days each year; maximum reverse flow, 835 cfs (23.6 cu m/s) Sept. 8, 1965, from hurricane tide; minimum gage height, -0.34 ft (-0.104 m) May 8, 1962.

REMARKS.--Records poor. Flow is at times affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure 28, 300 ft (91 m) downstream. Discharge computed from continuous velocity record obtained from recording deflection meter.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	211	0	41	0	0	0	0	0	212	139	475
2	0	70	0	0	0	0	0	0	0	250	98	431
3	101	196	0	0	106	0	0	0	0	248	41	350
4	190	56	37	0	0	0	0	0	0	240	77	298
5	120	23	0	0	0	0	0	0	0	66	38	203
6	130	5.9	0	0	0	0	0	0	0	98	30	232
7	161	288	16	0	0	0	0	5.8	0	87	82	229
8	56	178	6.2	44	0	0	0	0	0	196	129	219
9	43	69	0	0	0	0	0	188	0	69	159	209
10	49	105	0	0	305	0	0	248	0	181	109	138
11	113	31	0	275	23	0	0	112	0	221	200	94
12	97	30	0	280	0	0	0	135	0	250	192	35
13	84	68	0	292	0	0	0	0	0	214	181	189
14	35	128	0	92	2.9	0	0	119	0	330	133	68
15	230	317	122	158	60	0	0	159	0	289	85	122
16	14	151	158	81	74	0	0	64	0	243	98	54
17	0	109	59	120	0	0	0	59	0	173	109	131
18	0	94	27	116	0	0	0	100	77	214	16	183
19	0	76	62	105	135	0	0	0	81	154	159	0
20	55	109	32	73	36	0	0	0	114	100	204	56
21	13	126	51	107	33	0	0	0	238	160	341	89
22	22	57	127	94	0	0	0	0	191	228	323	174
23	0	63	105	126	0	0	0	0	201	249	316	446
24	37	60	62	116	0	0	0	0	236	219	311	349
25	0	40	94	130	0	0	0	0	159	53	316	357
26	0	72	85	0	0	40	0	0	44	174	293	311
27	0	95	0	44	126	0	24	0	190	149	244	345
28	139	0	0	81	0	0	0	0	202	155	191	294
29	233	0	0	127	------	48	0	0	168	194	255	143
30	241	0	0	0	------	0	0	0	233	113	151	102
31	111	------	0	0	------	0	------	0	------	58	380	------
TOTAL	2,274	2,827.9	1,043.2	2,502	900.9	88	24	1,189.8	2,134	5,587	5,400	6,326
MEAN	73.4	94.3	33.7	80.7	32.2	2.84	.80	38.4	71.1	180	174	211
MAX	241	317	158	292	305	48	24	248	238	330	380	475
MIN	0	0	0	0	0	0	0	0	0	53	16	0
AC-FT	4,510	5,610	2,070	4,960	1,790	175	48	2,360	4,230	11,080	10,710	12,550

CAL YR 1972 TOTAL 31,634.90 MEAN 86.4 MAX 623 MIN 0 AC-FT 62,750
WTR YR 1973 TOTAL 30,296.80 MEAN 83.0 MAX 475 MIN 0 AC-FT 60,090

02286340 Biscayne Canal at S-28, near Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.07	1.92	2.08	1.97	2.07	2.03	2.00	1.81	1.93	2.02	1.97	1.85
2	2.12	2.00	2.04	2.01	2.07	2.02	2.00	1.80	1.90	1.96	2.03	1.84
3	2.02	1.96	2.07	2.08	1.95	2.00	1.98	1.79	1.87	2.00	2.08	1.85
4	1.71	2.06	2.04	2.11	2.10	2.01	1.99	1.80	1.87	1.95	2.03	1.81
5	2.01	2.02	2.08	2.11	2.12	2.00	1.96	1.82	1.88	2.02	2.07	1.87
6	2.06	2.13	2.10	2.10	2.11	1.99	1.90	1.82	1.88	1.97	2.09	1.90
7	1.97	1.63	2.10	2.11	2.13	1.99	1.88	1.80	1.88	1.93	1.91	2.06
8	2.11	1.91	2.03	2.05	2.12	1.99	1.90	1.80	1.99	1.77	1.98	2.05
9	2.11	2.06	2.04	2.08	2.11	1.98	1.90	1.83	2.00	1.73	1.91	1.98
10	2.10	1.98	2.02	2.09	1.52	1.99	1.89	1.71	1.98	1.89	2.25	1.94
11	2.02	2.06	2.03	1.96	1.63	1.99	1.85	2.00	1.96	1.89	2.13	2.00
12	2.02	2.10	2.01	1.79	1.96	1.99	1.79	1.93	1.91	1.79	1.92	2.07
13	2.02	1.98	2.00	1.74	1.99	1.96	1.76	2.10	1.90	1.82	1.94	1.64
14	2.10	2.01	2.07	2.00	2.00	1.93	1.72	1.98	1.92	1.78	1.97	2.05
15	1.84	1.76	1.96	1.96	2.06	1.91	1.71	1.91	1.94	1.76	2.01	1.97
16	1.85	1.85	1.86	2.07	2.00	1.90	1.71	2.04	1.94	1.83	2.03	2.06
17	2.05	1.99	1.95	1.99	2.11	1.96	1.67	2.05	1.98	1.90	1.88	2.00
18	2.09	2.03	2.01	2.02	2.12	1.94	1.65	1.96	1.97	1.81	2.09	1.65
19	2.11	2.05	1.96	2.05	2.03	1.93	1.63	2.04	1.90	1.93	1.97	2.09
20	2.06	1.96	2.02	2.06	2.06	1.92	1.64	2.04	2.02	1.97	1.98	2.04
21	2.11	1.96	2.02	2.00	2.09	1.97	1.65	2.01	1.87	1.96	1.87	2.04
22	2.08	2.07	1.94	2.06	2.11	1.98	1.64	1.98	1.89	1.91	1.83	1.95
23	2.15	2.05	1.94	2.01	2.13	1.94	1.64	1.93	1.90	1.72	1.75	1.55
24	2.09	2.09	1.96	1.90	2.12	1.90	1.64	1.93	1.81	1.66	1.70	1.76
25	2.13	2.07	1.96	1.95	2.13	1.89	1.62	1.99	1.94	1.99	1.69	1.85
26	2.15	2.03	1.94	2.09	2.13	1.99	1.62	2.01	2.07	1.89	1.67	1.74
27	2.15	1.99	2.02	2.08	1.94	2.09	1.75	2.08	1.93	1.60	1.93	1.61
28	1.95	2.05	2.03	2.05	1.99	2.05	1.86	2.09	1.94	1.96	1.90	1.63
29	1.94	2.11	1.99	1.91	------	1.96	1.86	2.06	1.96	1.93	1.92	1.93
30	1.84	2.10	2.00	2.03	------	1.98	1.84	2.03	1.98	1.96	1.96	2.01
31	1.83	------	2.03	2.09	------	2.00	------	1.99	------	2.01	1.91	------
MEAN	2.03	2.00	2.01	2.02	2.03	1.97	1.79	1.94	1.93	1.88	1.95	1.89
MAX	2.15	2.13	2.10	2.11	2.13	2.09	2.00	2.10	2.07	2.02	2.25	2.09
MIN	1.71	1.63	1.86	1.74	1.52	1.89	1.62	1.71	1.81	1.60	1.67	1.55

CAL YR 1972 MEAN 1.98 MAX 2.16 MIN 1.57
WTR YR 1973 MEAN 1.95 MAX 2.25 MIN 1.52

02286343 Biscayne Bay at North Miami, Fla.

LOCATION.--Lat 25°51'07", long 80°10'36", in NW quarter sec.8, T.53 S., R.42 E., Dade County, in stub canal, 1,000 ft (305 m) west of Biscayne Bay, 60 ft (18 m) east of bridge on N.E. 10th Avenue and 240 ft (73 m) south of N.E. 84th Street, in Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May 1947 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 3.08 ft (0.939 m) Oct. 23; minimum, -1.60 ft (-0.488 m) June 30.
Period of record: Maximum gage height, 5.52 ft (1.682 m) Sept. 8, 1965; minimum, -1.77 ft (-0.539 m) Jan. 18, 1957.

REMARKS.--Gage records water levels and tidal fluctuations in upper Biscayne Bay. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.05	1.95	.98	1.58	1.02	1.64	2.15	1.90	1.81	1.58	2.26	1.91
2	1.89	2.14	1.39	1.60	2.01	1.94	2.34	1.89	1.90	1.75	2.02	1.77
3	1.93	2.05	1.65	1.92	1.86	2.10	2.59	1.87	1.78	1.99	1.79	1.60
4	2.00	2.05	1.76	1.72	1.70	2.23	2.37	1.97	1.95	2.07	1.54	1.54
5	2.26	1.93	1.72	1.67	1.53	2.34	1.93	1.95	1.68	2.15	1.26	1.71
6	2.71	1.91	1.59	1.77	1.48	2.16	2.17	1.92	1.55	2.01	1.28	1.66
7	2.73	2.27	1.27	1.91	1.46	2.15	2.33	1.74	1.70	1.87	1.19	1.77
8	2.85	1.78	1.43	1.95	1.66	2.04	2.31	1.66	1.69	1.73	1.22	1.80
9	2.56	2.00	1.32	1.84	1.80	2.07	1.94	1.96	1.44	1.62	1.26	1.88
10	2.27	2.05	1.29	1.97	2.01	1.85	1.69	1.45	1.47	1.56	1.48	2.05
11	1.96	1.94	1.41	2.13	1.64	1.64	1.60	1.43	1.50	1.50	1.39	2.25
12	1.86	1.85	1.59	1.94	2.09	1.44	1.67	1.51	1.47	1.28	1.48	2.43
13	2.18	2.03	1.51	1.85	2.22	1.53	1.62	1.45	1.48	1.26	1.85	2.31
14	2.08	2.03	1.48	1.77	2.46	1.72	1.82	1.26	1.40	1.33	1.85	2.14
15	1.72	1.98	1.86	2.05	2.32	1.99	1.71	1.42	1.33	1.50	1.85	2.22
16	1.74	2.07	1.58	2.40	2.03	2.14	1.87	1.58	1.27	1.74	1.91	2.30
17	1.74	2.19	1.70	2.60	2.07	2.07	1.95	1.46	1.20	1.59	2.10	2.16
18	1.86	2.26	2.12	2.39	2.28	2.04	1.89	1.50	1.13	1.82	2.13	1.98
19	2.04	2.40	2.46	2.20	2.33	2.17	1.93	1.43	1.06	2.04	2.23	1.83
20	2.21	2.57	2.24	2.50	2.13	2.08	1.88	1.45	.98	2.17	2.07	1.94
21	2.68	2.27	2.64	2.65	1.90	1.87	1.66	1.52	.88	2.07	2.22	1.90
22	2.85	2.14	2.11	2.00	2.00	1.50	1.73	1.58	.80	1.87	2.20	2.09
23	3.08	2.21	1.80	1.50	2.13	1.56	1.56	1.61	.70	1.48	2.22	2.25
24	2.87	2.17	1.61	1.42	1.82	1.58	1.47	1.64	1.04	1.49	1.95	2.34
25	2.51	2.37	1.72	1.34	1.55	2.00	1.62	1.61	1.50	1.80	2.24	2.50
26	2.46	2.55	1.76	1.20	1.56	2.02	1.67	1.55	1.36	1.91	2.20	2.35
27	2.24	2.28	1.52	1.10	1.38	1.58	1.62	1.72	1.21	1.91	2.19	2.28
28	1.92	1.79	1.52	1.00	1.51	1.69	1.53	1.63	1.17	2.04	2.19	2.29
29	1.88	1.34	1.51	.56	------	1.91	1.65	1.49	1.27	2.30	2.24	2.29
30	1.84	.96	1.77	.10	------	1.97	1.88	1.64	1.41	2.43	2.02	2.09
31	1.81	------	1.85	.55	------	2.03	------	1.84	------	2.34	2.16	------
MEAN	2.22	2.05	1.68	1.72	1.86	1.90	1.87	1.63	1.37	1.81	1.87	2.05
MAX	3.08	2.57	2.64	2.65	2.46	2.34	2.59	1.97	1.95	2.43	2.26	2.50
MIN	1.72	.96	.98	.10	1.02	1.44	1.47	1.26	.70	1.26	1.19	1.54

CAL YR 1972 MEAN 1.80 MAX 3.08 MIN .96
WTR YR 1973 MEAN 1.84 MAX 3.08 MIN .10

02286343 Biscayne Bay at North Miami, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.20	-.19	-.77	-.49	-.10	-.30	-.28	-.85	-1.29	-1.58	-.55	-.50
2	-.29	-.24	-.85	-.64	-.01	-.27	-.50	-1.12	-1.24	-1.26	-.52	-.39
3	-.36	-.30	-.74	-.49	-.24	-.45	-.36	-1.25	-1.13	-1.01	-.62	-.42
4	-.22	-.44	-.64	-.69	-.65	-.34	-.59	-1.22	-1.11	-.82	-.65	-.32
5	-.31	-.68	-.70	-.73	-.93	-.46	-1.03	-1.02	-.99	-.71	-.78	-.02
6	-.05	-.57	-.79	-.77	-1.09	-.71	-.86	-1.05	-.95	-.66	-.68	-.09
7	.10	-.32	-1.11	-.72	-1.00	-.72	-.31	-.91	-.73	-.73	-.69	-.07
8	.25	-.61	-.86	-.54	-.80	-.72	-.55	-.79	-.71	-.77	-.62	-.04
9	.00	-.31	-.89	-.50	-.45	-.70	-.59	-.65	-.83	-.39	-.75	-.17
10	.02	-.11	-.98	-.26	-.75	-.87	-.62	-.80	-.76	-.49	-.63	-.23
11	-.03	-.05	-.65	.13	-.54	-.80	-.60	-.85	-.75	-.56	-.64	-.18
12	-.16	-.03	-.42	.06	-.25	-.82	-.52	-.84	-.76	-.79	-.80	-.06
13	.21	.19	-.48	.02	-.15	-.58	-.69	-.98	-.79	-.97	-.56	-.25
14	.26	.10	-.51	.23	-.07	-.43	-.70	-1.12	-.46	-.98	-.47	-.52
15	.05	-.06	-.76	.49	-.41	-.68	-.83	-1.10	-.53	-.81	-.58	-.57
16	-.09	-.12	-1.07	.85	-.71	-.37	-.81	-1.07	-.60	-.62	-.45	-.47
17	-.13	-.02	-1.03	.57	-.76	-.79	-.71	-.89	-.66	-.60	-.43	-.45
18	-.20	-.37	-.79	.28	-.70	-.78	-.73	-.91	-.74	-.32	-.28	-.49
19	-.26	-.55	-.73	-.05	-.44	-.67	-.64	-.79	-.81	-.15	-.24	-.54
20	-.41	-.69	-.86	.21	-.41	-.54	-.58	-.62	-.88	-.07	-.22	-.41
21	-.45	-.90	-.62	.40	-.29	-.66	-.42	-.59	-.95	-.25	-.16	-.36
22	-.32	-.97	-.65	.21	-.13	-.78	-.43	-.44	-1.02	-.40	-.14	-.32
23	-.26	-.94	-.95	-.02	-.16	-.70	-.51	-.37	-1.09	-.81	-.28	-.18
24	-.28	-.77	-1.10	-.19	-.16	-.20	-.15	-.27	-1.16	-.87	-.53	-.27
25	-.52	-.37	-.73	-.38	-.12	.29	-.07	-.37	-1.20	-.76	-.36	-.23
26	-.40	.10	-.52	-.55	-.31	-.04	-.14	-.53	-1.26	-.79	-.55	-.37
27	-.31	.12	-.46	-.26	-.43	-.06	-.33	-.49	-1.33	-.85	-.64	-.44
28	-.44	-.30	-.51	-.34	-.13	.06	-.62	-.80	-1.41	-.79	-.63	-.53
29	-.42	-.46	-.23	-.60	------	-.03	-.67	-1.12	-1.50	-.82	-.65	-.25
30	-.18	-.67	-.19	-.50	------	.09	-.80	-1.22	-1.60	-.47	-.68	-.33
31	-.12	------	-.27	-.10	------	-.17	------	-1.19	------	-.57	-.59	------
MEAN	-.18	-.35	-.71	-.17	-.44	-.46	-.55	-.85	-.97	-.70	-.53	-.32
MAX	.26	.19	-.19	.85	-.01	.29	-.07	-.27	-.46	-.07	-.14	-.02
MIN	-.52	-.97	-1.11	-.77	-1.09	-.87	-1.03	-1.25	-1.60	-1.58	-.80	-.57

CAL YR 1972 MEAN -.57 MAX .26 MIN -1.46
WTR YR 1973 MEAN -.52 MAX .85 MIN -1.60

02286350 Little River Canal at Palm Avenue, Hialeah, Fla.

LOCATION.--Lat 25°52'13", long 80°17'00", in SW quarter sec.31, T.52 S., R.41 E., Dade County, on left wingwall of Palm Avenue bridge, Hialeah, 7.5 mi (12.1 km) upstream from salinity control structure 27, and 8.0 mi (12.9 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1959 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Oct. 1, 1962, at datum 1.55 ft (0.472 m) lower.

EXTREMES.--Current year: Maximum gage height, 3.14 ft (0.957 m) Aug. 21; minimum, 1.43 ft (0.436 m) July 22.
Period of record: Maximum gage height, 4.15 ft (1.265 m) present datum Sept. 10, 1960 from hurricane tide; minimum, 0.69 ft (0.210 m) present datum Mar. 21, 1960.

REMARKS.--Water levels are affected by inflow from several lateral canals, by the operation of salinity control structure 27, and at times by tide.

WATER TEMPERATURE (°C).--Jan. 3 (1520) 24.0°; Feb. 1 (1215) 21.0°; Mar. 1 (1330) 23.0°; Apr. 3 (1345) 27.5°; May 1 (1525) 25.0°; May 16 (1420) 26.5°; June 1 (1300) 28.5°; July 3 (1200) 29.0°; Sept. 3 (1315) 29.5°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.01	2.24	1.95	2.00	1.91	1.89	1.90	1.85	1.84	1.84	1.98	2.62
2	2.01	2.23	1.98	2.02	1.91	1.89	1.86	1.85	1.85	1.88	1.95	2.52
3	2.03	2.23	2.02	2.03	1.89	1.89	1.84	1.84	1.84	1.88	1.89	2.42
4	2.10	2.25	2.02	2.02	1.87	1.91	1.89	1.83	1.83	1.87	1.87	2.33
5	2.14	2.15	2.02	2.00	1.90	1.89	1.84	1.84	1.83	1.86	1.84	2.34
6	2.15	2.25	2.03	2.00	1.87	1.91	1.88	1.85	1.81	1.85	1.84	2.30
7	2.21	2.20	2.00	2.02	1.85	1.92	1.87	1.83	1.82	1.83	1.81	2.30
8	2.23	2.20	1.99	1.99	1.89	1.90	1.87	1.81	1.84	1.82	1.87	2.17
9	2.20	2.23	1.98	1.94	1.90	1.91	1.85	1.84	1.87	1.84	1.85	2.06
10	2.19	2.17	1.96	1.91	1.88	1.91	1.82	1.86	1.82	1.83	1.96	2.04
11	2.15	2.18	1.96	2.07	1.85	1.90	1.79	1.86	1.87	1.86	1.93	2.17
12	2.11	2.18	1.98	2.12	1.88	1.89	1.76	1.85	1.85	1.87	1.92	2.32
13	2.09	2.13	1.97	2.02	1.88	1.89	1.74	1.85	1.83	1.89	1.93	2.20
14	2.10	2.21	2.01	2.00	1.89	1.90	1.71	1.84	1.83	1.92	1.94	2.13
15	2.03	2.24	2.06	1.98	2.00	1.93	1.73	1.84	1.86	1.88	1.91	2.13
16	2.00	2.13	2.02	1.97	1.91	1.92	1.71	1.84	1.83	1.87	1.92	2.11
17	2.00	2.17	1.99	1.97	1.90	1.92	1.69	1.81	1.85	1.87	1.91	2.10
18	2.07	2.19	2.05	2.02	1.90	1.94	1.66	1.81	1.83	1.86	1.99	2.07
19	2.09	2.20	1.96	1.95	1.93	1.95	1.65	1.75	1.82	1.87	2.05	2.05
20	2.12	2.17	2.02	1.95	1.90	1.94	1.76	1.70	1.85	1.86	2.20	2.03
21	2.15	2.13	2.06	1.96	1.89	1.99	1.80	1.80	1.88	1.82	2.50	2.07
22	2.16	2.16	2.11	1.96	1.90	1.94	1.82	1.80	1.88	1.82	2.71	2.12
23	2.13	2.16	2.03	1.97	1.91	1.89	1.82	1.82	1.82	1.89	2.64	2.26
24	2.17	2.17	2.01	1.90	1.87	1.91	1.81	1.83	1.79	1.90	2.60	2.32
25	2.13	2.19	2.05	1.86	1.85	1.92	1.79	1.84	1.84	1.88	2.74	2.35
26	2.12	2.15	2.02	1.87	1.83	1.99	1.78	1.82	1.82	1.88	2.69	2.30
27	2.14	2.14	2.01	1.89	1.85	1.89	1.88	1.84	1.83	1.84	2.58	2.22
28	2.16	2.15	1.99	1.87	1.85	1.89	1.88	1.84	1.84	1.90	2.53	2.15
29	2.27	2.19	1.99	1.82	------	1.92	1.87	1.86	1.83	1.88	2.48	2.16
30	2.28	2.17	2.02	1.84	------	1.88	1.86	1.86	1.85	1.95	2.34	2.10
31	2.17	------	2.02	1.89	------	1.91	------	1.87	------	1.96	2.40	------
MEAN	2.13	2.19	2.01	1.96	1.89	1.91	1.80	1.83	1.84	1.87	2.15	2.22
MAX	2.28	2.25	2.11	2.12	2.00	1.99	1.90	1.87	1.88	1.96	2.74	2.62
MIN	2.00	2.13	1.95	1.82	1.83	1.88	1.65	1.70	1.79	1.82	1.81	2.03

CAL YR 1972 MEAN 2.02 MAX 2.50 MIN 1.88
WTR YR 1973 MEAN 1.98 MAX 2.74 MIN 1.65

02286380 Little River Canal at S-27, at Miami, Fla.

LOCATION.--Lat 25°51'11", long 80°11'36", in NE quarter sec.12, T.53 S., R.41 E., Dade County, at center of upstream side of concrete bridge on N. E. 2nd Avenue at Miami, 0.4 mi (0.6 km) upstream from salinity-control structure 27 and 1.6 mi (2.6 km) upstream from mouth.

PERIOD OF RECORD.--November 1959 to September 1969, July to September 1973.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.--9 years (1960-69), 171 cfs (4.843 cu m/s), 123,800 acre-ft/yr (152 cu hm/yr).

EXTREMES.--Maximum daily discharge during period July to September 1973, 921 cfs (26.1 cu m/s) Sept. 1; maximum gage height, 2.87 ft (0.875 m) Aug. 21; minimum daily discharge, 72 cfs (2.039 cu m/s) July 9; minimum gage height, 0.59 ft (0.180 m) July 22.
Period of record: Maximum daily discharge, 1,100 cfs (31.2 cu m/s) Oct. 29, 1964; maximum gage height, 4.49 ft (1.369 m) Sept. 8, 1965; no flow on some days each year; maximum reverse flow, 1,500 cfs (42.5 cu m/s) Sept. 8, 1965, from hurricane tide; minimum gage height, -0.18 ft (-0.055 m) Nov. 30, 1959.

REMARKS.--Records poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure 27. Discharge computed from continuous velocity record obtained from recording deflection meter.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, JULY TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										163	149	921
2										207	183	804
3										221	139	678
4										192	170	672
5										185	135	570
6										182	151	540
7										153	165	624
8										131	249	694
9										72	275	635
10										186	311	596
11										142	339	496
12										114	275	361
13										222	230	343
14										278	249	347
15										245	248	327
16										201	222	254
17										191	182	250
18										147	305	237
19										178	359	231
20										157	501	223
21										210	622	191
22										315	703	249
23										246	647	355
24										227	635	323
25										213	626	377
26										196	635	380
27										170	651	441
28										223	627	375
29					------					277	624	321
30					------					241	568	334
31		------			------		------		------	260	730	------
TOTAL										6,145	11,905	13,149
MEAN										198	384	438
MAX										315	730	921
MIN										72	135	191
AC-FT										12,190	23,610	26,080

10B LAKE OKEECHOBEE AND THE EVERGLADES AREA

02286380 Little River Canal at S-27, at Miami, Fla.

GAGE HEIGHT, IN FEET, JULY TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										1.72	1.83	2.01
2										1.72	1.78	1.89
3										1.72	1.76	1.88
4										1.75	1.74	1.85
5										1.76	1.73	1.94
6										1.75	1.76	1.90
7										1.74	1.72	1.80
8										1.73	1.71	1.62
9										1.76	1.67	1.52
10										1.73	1.75	1.50
11										1.75	1.69	1.76
12										1.77	1.74	2.06
13										1.72	1.74	1.90
14										1.72	1.74	1.86
15										1.72	1.74	1.86
16										1.75	1.76	1.90
17										1.75	1.77	1.89
18										1.76	1.81	1.87
19										1.78	1.80	1.87
20										1.77	1.80	1.86
21										1.65	1.83	1.91
22										1.58	2.02	1.93
23										1.74	2.02	1.99
24										1.76	1.98	2.06
25										1.74	2.06	2.05
26										1.74	2.08	1.99
27										1.72	2.00	1.90
28										1.77	1.95	1.84
29					------					1.70	1.91	1.92
30					------					1.79	1.85	1.87
31		------			------		------		------	1.75	1.86	------
MEAN										1.74	1.83	1.87
MAX										1.79	2.08	2.06
MIN										1.58	1.67	1.50

02286399 Miami Canal above HGS-3 and S-3 at Lake Harbor, Fla.

LOCATION.--Lat 26°41'55", long 80°48'25", in SE quarter sec.35, T.43 S., R.35 E., Palm Beach County, in pump station 3 at Lake Okeechobee, 0.4 mi (0.6 km) upstream from U. S. Highway 27, in Lake Harbor.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1957 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Oct. 1, 1957 to Sept. 30, 1959, at datum 0.05 ft (0.015 m) lower and Oct. 1, 1959, to Feb. 7, 1962, at datum 0.22 ft (0.067 m) lower.

EXTREMES.--Current year: Maximum gage height, 15.05 ft (4.587 m) Sept. 29; minimum, 11.43 ft (3.484 m) May 29.
Period of record: Maximum gage height, 18.43 ft (5.617 m) Nov. 4, 1969; minimum, 9.91 ft (3.021 m) June 8, 1962.

REMARKS.--Water level records are those for Lake Okeechobee at pump station 3. Stage is affected by S-3 pumping, HGS-3 gate operations, wind, and seiche.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.54	12.97	13.19	12.55	12.54	12.90	12.75	12.64	12.31	12.32	13.01	13.88
2	13.56	12.86	12.87	12.57	12.53	12.79	13.00	12.56	12.31	12.32	13.06	13.95
3	13.56	12.83	12.79	12.51	12.92	12.84	12.69	12.49	12.31	12.37	13.13	13.97
4	13.60	12.82	12.78	12.54	13.01	12.82	12.58	12.56	12.20	12.33	13.17	13.97
5	13.63	12.82	12.69	12.50	12.74	12.84	13.09	12.67	12.19	12.32	13.23	13.98
6	13.62	12.79	12.69	12.54	12.70	12.80	13.08	12.47	12.16	12.30	13.28	14.03
7	13.61	12.71	12.75	12.56	12.74	12.82	12.61	12.35	12.38	12.36	13.32	14.03
8	13.52	12.81	12.70	12.43	12.64	12.71	12.91	12.18	12.13	12.38	13.33	14.07
9	13.48	12.92	12.72	12.80	12.38	12.73	13.11	12.26	12.22	12.43	13.34	14.16
10	13.51	12.70	12.72	12.76	13.13	12.75	13.31	12.47	12.22	12.42	13.29	14.21
11	13.54	12.70	12.69	12.85	13.44	12.72	13.33	12.54	12.18	12.27	13.37	14.23
12	13.63	12.71	12.67	13.09	13.05	12.78	13.13	12.45	12.17	12.22	13.41	14.30
13	13.53	12.61	12.61	12.92	12.79	12.80	13.12	12.40	12.14	12.34	13.42	14.27
14	13.36	12.55	12.55	12.72	12.69	12.70	13.04	12.51	12.15	12.41	13.44	14.33
15	13.32	12.90	12.54	12.61	12.92	12.65	13.05	12.51	12.14	12.51	13.51	14.41
16	13.28	12.88	13.68	12.64	13.13	12.66	12.99	12.75	12.16	12.56	13.57	14.46
17	13.23	12.91	13.59	12.54	13.35	12.84	12.97	12.67	12.12	12.61	13.60	14.55
18	13.23	12.80	12.72	12.53	13.01	13.12	12.92	12.56	12.12	12.61	13.62	14.57
19	13.21	12.66	12.60	12.50	12.92	12.90	12.92	12.55	12.12	12.61	13.58	14.60
20	13.50	12.79	12.52	12.52	13.07	12.68	12.99	12.48	12.17	12.63	13.59	14.60
21	13.35	12.97	12.15	12.38	13.09	12.61	12.96	12.44	12.20	12.61	13.65	14.70
22	13.14	12.96	12.39	12.34	12.98	13.16	12.83	12.44	12.18	12.61	13.73	14.79
23	13.08	13.07	12.62	12.61	12.90	12.98	12.76	12.33	12.21	12.74	13.65	14.82
24	13.05	12.96	12.69	12.72	12.90	12.74	12.69	12.24	12.23	12.80	13.63	14.74
25	13.03	12.60	12.72	12.79	12.84	12.36	12.60	12.28	12.29	12.85	13.73	14.72
26	12.98	12.78	12.74	12.50	12.83	12.79	12.58	12.29	12.32	12.85	13.85	14.77
27	12.86	12.85	12.93	12.55	12.88	13.03	12.58	12.17	12.30	12.86	13.89	14.82
28	12.89	12.77	12.62	12.55	13.00	12.93	13.00	12.11	12.15	12.89	14.00	14.86
29	13.01	12.84	12.59	12.92	------	12.93	12.92	12.15	12.26	12.91	13.89	14.84
30	13.09	12.75	12.53	12.91	------	12.82	12.70	12.34	12.28	12.93	13.89	14.85
31	12.96	------	12.51	12.67	------	12.78	------	12.33	------	12.94	13.80	------
MEAN	13.32	12.81	12.73	12.63	12.89	12.80	12.91	12.43	12.21	12.56	13.52	14.42
MAX	13.63	13.07	13.68	13.09	13.44	13.16	13.33	12.75	12.38	12.94	14.00	14.86
MIN	12.86	12.55	12.15	12.34	12.38	12.36	12.58	12.11	12.12	12.22	13.01	13.88

CAL YR 1972 MEAN 13.38 MAX 15.11 MIN 12.15
WTR YR 1973 MEAN 12.93 MAX 14.86 MIN 12.11

02286400 Miami Canal at HGS-3, and S-3, at Lake Harbor, Fla.

LOCATION.--Lat 26°41'55", long 80°48'25", in SE quarter sec.35, T.43 S., R.35 E., Palm Beach County, at hurricane gate structure 3 and pump station 3 at Lake Okeechobee, 0.4 mi (0.6 km) upstream from U. S. Highway 27 in Lake Harbor.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1939 to June 1943 (published as Miami Canal at Lake Harbor), October 1957 to current year. Prior to October 1940 monthly discharge only, published in WSP 1304.

GAGE.--Dual water-stage recorder, gate opening indicator and pump tachometer. Datum of gage is at mean sea level. Dec. 1, 1939, to June 30, 1943, nonrecording gage at site 0.4 mi (0.6 km) downstream at same datum. Oct. 1, 1957, to Sept. 30, 1959, dual water-stage recorder at present site, at datum 0.05 ft (0.015 m) lower and Oct. 1, 1959, to Feb. 7, 1962, at datum 0.22 ft (0.067 m) lower. Oct. 1, 1957 to Sept. 30, 1968, two deflection-meter recorders.

AVERAGE DISCHARGE.--16 years (1957-73), -17.2 cfs (-0.487 cu m/s), -12,450 acre-ft/yr (-15.4 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,120 cfs (31.7 cu m/s) May 9; maximum gage height (Miami Canal), 12.84 ft (3.914 m) Oct. 4; maximum daily reverse flow, 1,650 cfs (46.7 cu m/s) July 23; minimum gage height (Miami Canal), 9.42 ft (2.871 m) May 11.

Period of record: Maximum daily discharge, 2,280 cfs (64.6 cu m/s) Mar. 24, 1966; maximum gage height (Miami Canal), 14.92 ft (4.548 m) present datum Mar. 21, 1960 and Oct. 2, 1965; maximum daily reverse flow, 2,790 cfs (79.0 cu m/s) Mar. 26, 1970; no flow on some days each year; minimum gage height (Miami Canal), 8.03 ft (2.448 m) present datum Sept. 22, 1960.

REMARKS.--Records good. Flow regulated by hurricane gates and pump station at Lake Okeechobee. Discharge is summation of HGS-3 flow and S-3 pumpage. Flow frequently reversed during and after periods of heavy rainfall by pumpage into the canal from agricultural lands in the Everglades, or by the operation of pump station 3 (negative figure indicates reverse flow). Discharge computed from relations between discharge, head, gate openings, and pump tachometer. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

COOPERATION.--S-3 pump record and HGS-3 gate-operation record furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	324	41	0	0	0	0	248	854	0	0	0
2	232	308	78	0	0	0	0	425	802	0	0	0
3	210	194	72	0	0	0	46	372	833	0	0	0
4	-31	309	68	106	0	0	52	547	791	0	-304	-238
5	0	293	66	61	0	67	68	764	840	0	-368	-406
6	0	286	74	155	0	161	164	712	901	103	-80	-158
7	0	179	85	144	0	193	195	710	725	165	-131	-184
8	0	0	98	126	0	178	211	841	0	145	0	0
9	123	0	170	121	0	66	203	1,120	655	47	0	0
10	324	127	156	85	0	-391	226	547	810	0	0	0
11	411	193	151	32	0	-298	229	359	762	0	0	0
12	340	198	153	0	0	0	219	468	832	0	0	0
13	219	235	148	0	0	0	256	394	856	-91	0	0
14	189	-123	149	0	0	0	390	605	861	0	0	0
15	191	-575	121	0	0	0	359	710	853	0	0	0
16	191	0	65	0	0	32	334	777	769	-152	0	0
17	203	0	0	0	0	94	329	747	643	0	0	0
18	267	0	0	0	0	93	346	739	538	0	0	0
19	290	0	42	-114	0	89	348	848	407	0	0	0
20	215	0	139	-66	0	85	380	838	308	0	0	-92
21	276	0	142	-131	0	83	370	887	0	0	0	0
22	248	-49	57	-158	73	113	349	996	0	-926	0	0
23	246	0	0	-224	101	107	437	1,020	0	-1,650	0	0
24	248	0	0	-320	93	166	482	1,000	-.4	-1,240	0	0
25	263	0	0	-381	86	133	521	802	-.1	-623	-311	0
26	269	0	0	-446	31	-250	536	878	0	-395	0	0
27	294	0	0	-511	0	0	433	725	0	-459	-295	0
28	316	0	0	-587	63	0	470	572	0	0	-292	0
29	321	0	0	-529	------	0	430	437	0	0	-158	0
30	332	0	0	103	------	0	400	271	0	-83	0	0
31	319	------	0	153	------	0	------	90	------	-69	-140	------
TOTAL	6,731	1,899	2,075	-2,381	447	721	8,783	20,449	14,039.5	-5,228	-2,079	-1,078
MEAN	217	63.3	66.9	-76.8	16.0	23.3	293	660	468	-169	-67.1	-35.9
MAX	411	324	170	155	101	193	536	1,120	901	165	0	0
MIN	-31	-575	0	-587	0	-391	0	90	-.40	-1,650	-368	-406
AC-FT	13,350	3,770	4,120	-4,720	887	1,430	17,420	40,560	27,850	-10,370	-4,120	-2,140

CAL YR 1972 TOTAL 6,948.00 MEAN 19.0 MAX 411 MIN -2,140 AC-FT 13,780
WTR YR 1973 TOTAL 44,378.50 MEAN 122 MAX 1,120 MIN -1,650 AC-FT 88,020

02286400 Miami Canal at HGS-3, and S-3, at Lake Harbor, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.70	11.79	11.74	11.08	12.05	11.63	11.25	11.88	11.88	10.31	10.32	11.16
2	11.66	11.78	11.93	11.09	11.71	11.45	11.13	11.79	11.93	10.41	10.81	11.51
3	12.08	11.63	11.99	11.12	11.08	11.30	11.04	11.89	11.90	10.54	11.24	11.47
4	12.58	11.74	12.05	11.23	10.86	11.14	11.20	11.56	11.93	10.39	11.06	11.65
5	11.76	11.83	12.01	11.36	11.33	11.09	11.09	11.44	11.76	10.43	10.88	11.38
6	11.21	11.85	11.82	11.51	11.71	11.15	11.03	11.37	11.67	10.23	11.22	11.47
7	11.34	11.76	11.62	11.68	11.78	11.31	10.98	11.23	11.63	11.14	11.22	11.19
8	11.30	11.39	11.41	11.73	11.78	11.41	11.15	11.13	10.75	11.46	11.22	11.29
9	11.31	10.88	11.52	11.69	11.79	11.36	11.53	11.17	10.82	11.57	10.95	11.18
10	11.44	10.81	11.72	11.62	11.76	11.63	11.41	10.95	11.54	10.99	10.87	11.17
11	11.79	11.14	11.74	11.85	11.43	11.37	11.40	10.39	11.57	10.68	11.09	11.31
12	12.18	11.12	11.69	11.91	11.20	11.37	11.30	11.16	11.44	10.91	10.85	11.24
13	12.22	11.16	11.69	11.57	11.17	11.47	11.06	11.48	11.37	11.21	10.67	11.08
14	12.08	11.60	11.61	11.85	11.20	11.55	11.35	11.59	11.37	11.09	10.42	11.21
15	12.01	11.48	11.58	11.79	11.26	11.32	11.42	11.74	11.37	10.88	10.60	11.32
16	11.94	11.52	11.57	11.81	11.29	11.16	11.74	11.88	11.54	11.56	10.99	11.26
17	11.74	11.06	11.13	11.80	11.12	11.47	11.75	11.86	11.68	11.05	10.82	11.22
18	11.60	10.98	10.97	11.86	11.17	11.86	11.56	11.66	11.79	10.65	10.57	11.32
19	11.71	10.98	10.86	11.47	11.34	11.71	11.54	11.75	11.94	10.37	10.48	11.72
20	11.73	11.58	10.88	11.33	10.95	11.55	11.36	11.69	11.87	11.27	11.17	11.58
21	12.01	12.27	11.19	11.37	11.07	11.51	11.41	11.62	11.19	11.25	11.49	11.57
22	12.06	12.03	11.82	11.50	11.05	11.32	11.42	11.68	10.53	10.77	11.33	11.53
23	12.01	11.93	11.82	11.69	11.35	11.21	11.31	11.64	11.17	10.24	10.92	11.67
24	11.94	11.76	11.77	11.38	11.58	11.60	11.40	11.52	11.18	10.46	11.03	11.70
25	11.78	11.61	11.72	11.26	11.71	11.57	11.33	11.59	11.23	10.66	11.19	11.63
26	11.63	11.89	11.70	11.10	11.72	11.09	11.36	11.50	10.83	10.91	11.53	11.49
27	11.73	12.08	11.62	11.22	11.56	10.60	11.78	11.68	10.40	10.61	11.44	11.75
28	11.80	12.09	11.32	11.56	11.48	11.05	12.13	11.59	10.61	10.44	11.10	11.67
29	11.87	12.23	11.30	11.28	------	11.31	12.19	11.57	10.79	10.52	11.03	11.36
30	11.87	12.04	11.27	10.93	------	11.36	12.04	11.76	10.73	10.55	11.02	11.05
31	11.84	------	11.17	11.68	------	11.30	------	11.83	------	10.68	10.93	------
MEAN	11.80	11.60	11.56	11.49	11.41	11.36	11.43	11.54	11.35	10.80	11.00	11.41
MAX	12.58	12.27	12.05	11.91	12.05	11.86	12.19	11.89	11.94	11.57	11.53	11.75
MIN	11.21	10.81	10.86	10.93	10.86	10.60	10.98	10.39	10.40	10.23	10.42	11.05

CAL YR 1972 MEAN 11.56 MAX 12.65 MIN 10.14
WTR YR 1973 MEAN 11.39 MAX 12.58 MIN 10.23

02287395 Miami Canal east of levee 30, near Miami, Fla.

LOCATION.--Lat 25°56'28", long 80°26'23", in NE quarter sec.9, T.52 S., R.39 E., Dade County, near center of span upstream side of bridge on State Highway 27, 200 ft (61.0 m) downstream from control structure 32, 14.1 mi (22.7 km) upstream from salinity control structure, 19.5 mi (31.4 km) northwest of Miami, and 19.8 mi (31.9 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to current year. Published as "at broken dam, near Miami" November 1959 to September 1967.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to January 20, 1968, at site 0.5 mi (0.8 km) downstream at same datum.

AVERAGE DISCHARGE.--13 years (1960-73), 274 cfs (7.760 cu m/s), 198,400 acre-ft/yr (245 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 439 cfs (12.4 cu m/s) Sept. 29; maximum gage height, 4.99 ft (1.521 m) Sept. 30; minimum daily discharge, 82 cfs (2.32 cu m/s) Apr. 29; minimum gage height, 2.07 ft (0.631 m) Apr. 19.
Period of record: Maximum daily discharge, 1,090 cfs (30.9 cu m/s) Mar. 20, 1970; maximum gage height, 6.21 ft (1.893 m) July 30, 1966; (at site then in use); minimum daily discharge, 41 cfs (1.16 cu m/s) July 23, 24, 1963; minimum gage height, 1.40 ft (0.427 m) May 31, 1962 (at site then in use).

REMARKS.--Records fair. Flow affected by regulation at downstream salinity-control structure and by upstream storage releases at control structures 31, 32, and 32A. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	209	179	226	201	184	175	265	266	125	215	200
2	251	214	179	223	219	192	168	255	268	125	217	199
3	244	218	200	229	209	189	172	243	267	130	217	199
4	245	223	251	236	204	187	169	236	265	130	208	192
5	232	227	250	235	200	186	160	239	266	126	213	211
6	229	224	248	237	197	186	152	236	265	123	210	216
7	233	219	239	235	202	188	141	231	268	125	218	212
8	232	212	232	228	205	187	131	230	293	120	222	213
9	234	220	222	217	202	195	120	226	295	118	225	216
10	230	226	214	220	186	192	111	235	298	126	226	215
11	231	232	206	214	187	189	106	237	300	131	223	220
12	229	235	196	220	186	191	104	235	295	141	221	217
13	232	234	190	219	183	190	106	231	290	159	218	208
14	228	239	188	220	193	189	100	222	288	193	214	222
15	230	256	211	217	195	193	94	221	302	194	225	226
16	232	250	236	216	186	197	94	224	325	201	221	229
17	236	230	206	211	177	190	94	223	311	201	214	232
18	233	220	200	218	176	178	94	221	143	198	219	234
19	237	218	201	232	193	177	229	220	114	194	220	235
20	234	213	201	225	200	180	359	214	129	200	218	236
21	236	214	213	232	195	177	322	222	153	197	206	232
22	232	216	217	237	196	175	309	224	151	198	184	232
23	235	216	217	235	195	169	297	216	149	202	192	236
24	231	215	225	220	193	164	288	248	153	202	190	236
25	219	216	244	210	203	173	283	296	137	203	178	242
26	221	209	242	223	207	173	277	293	135	202	188	236
27	234	206	236	235	202	173	220	288	125	213	189	231
28	220	205	232	222	193	166	97	282	124	219	194	268
29	201	202	229	208	------	169	82	276	132	212	200	439
30	212	180	227	209	------	170	207	269	124	209	205	427
31	209	------	224	203	------	170	------	267	------	207	207	------
TOTAL	7,165	6,598	6,755	6,912	5,485	5,639	5,261	7,525	6,631	5,314	6,497	7,111
MEAN	231	220	218	223	196	182	175	243	221	171	210	237
MAX	264	256	251	237	219	197	359	296	325	219	226	439
MIN	201	180	179	203	176	164	82	214	114	118	178	192
AC-FT	14,210	13,090	13,400	13,710	10,880	11,180	10,440	14,930	13,150	10,540	12,890	14,100

CAL YR 1972 TOTAL 76,983 MEAN 210 MAX 264 MIN 122 AC-FT 152,700
WTR YR 1973 TOTAL 76,893 MEAN 211 MAX 439 MIN 82 AC-FT 152,500

02287395 Miami Canal east of levee 30, near Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.94	4.02	3.82	3.04	3.21	2.84	2.61	2.86	3.04	2.99	4.30	4.73
2	3.93	3.99	3.81	3.07	3.19	2.85	2.58	2.79	3.00	3.02	4.22	4.77
3	3.96	3.91	3.62	3.08	3.28	2.85	2.55	2.74	2.98	3.19	4.13	4.75
4	4.15	3.90	3.25	3.06	3.16	2.84	2.50	2.68	2.98	3.11	4.05	4.72
5	4.18	3.85	3.27	3.05	3.14	2.82	2.46	2.74	3.01	3.05	3.99	4.68
6	4.13	3.82	3.29	3.04	3.12	2.81	2.42	2.71	3.01	3.03	3.94	4.64
7	4.10	4.05	3.32	3.03	3.10	2.81	2.40	2.68	3.03	2.98	3.91	4.67
8	4.07	4.30	3.34	3.01	3.07	2.80	2.37	2.65	3.31	2.90	4.03	4.67
9	4.02	4.24	3.31	3.02	3.06	2.79	2.36	2.63	3.33	3.01	4.14	4.61
10	3.97	4.13	3.30	3.10	3.07	2.82	2.30	2.76	3.33	3.10	4.14	4.57
11	4.01	4.02	3.27	3.51	2.93	2.80	2.26	2.74	3.31	3.36	4.12	4.62
12	4.02	3.95	3.24	3.59	2.91	2.74	2.23	2.70	3.27	3.44	4.10	4.58
13	3.98	3.88	3.24	3.43	2.95	2.71	2.20	2.66	3.25	3.56	4.14	4.55
14	3.94	3.87	3.21	3.37	3.00	2.69	2.17	2.65	3.27	3.83	4.09	4.47
15	3.92	3.84	3.30	3.34	3.00	2.67	2.21	2.69	3.32	3.89	4.05	4.41
16	3.90	3.83	3.34	3.30	2.90	2.65	2.17	2.69	3.59	3.91	4.03	4.34
17	3.98	3.86	3.19	3.28	2.92	2.65	2.14	2.63	3.66	3.90	3.98	4.30
18	3.92	3.98	3.08	3.30	2.92	2.65	2.11	2.58	2.91	3.92	4.16	4.25
19	3.90	3.99	3.09	3.25	2.99	2.61	2.43	2.56	2.66	3.98	4.52	4.18
20	3.94	3.98	3.10	3.21	2.93	2.58	3.25	2.54	3.06	3.97	4.65	4.11
21	4.00	3.94	3.13	3.22	2.92	2.63	3.19	2.52	3.57	4.00	4.76	4.10
22	3.94	3.88	3.14	3.22	2.90	2.64	3.14	2.52	3.31	4.07	4.85	4.14
23	3.91	3.85	3.12	3.26	2.88	2.58	3.06	2.50	3.13	4.02	4.81	4.31
24	3.88	3.80	3.11	3.23	2.86	2.54	2.96	2.61	3.01	4.03	4.80	4.30
25	3.84	3.90	3.19	3.22	2.87	2.56	2.89	3.01	2.90	3.95	4.85	4.33
26	3.81	3.82	3.19	3.21	2.87	2.77	2.77	3.06	2.93	3.90	4.79	4.33
27	3.80	3.81	3.14	3.21	2.84	2.82	2.90	3.18	2.91	3.94	4.71	4.29
28	3.85	3.81	3.09	3.21	2.80	2.74	2.44	3.19	3.04	4.06	4.64	4.32
29	4.17	3.81	3.04	3.19	------	2.71	2.30	3.15	2.92	4.25	4.61	4.97
30	4.17	3.83	3.02	3.15	------	2.67	2.61	3.08	2.96	4.31	4.57	4.98
31	4.08	------	3.02	3.18	------	2.64	------	3.05	------	4.33	4.60	------
MEAN	3.98	3.93	3.24	3.21	2.99	2.72	2.53	2.76	3.13	3.65	4.34	4.49
MAX	4.18	4.30	3.82	3.59	3.28	2.85	3.25	3.19	3.66	4.33	4.85	4.98
MIN	3.80	3.80	3.02	3.01	2.80	2.54	2.11	2.50	2.66	2.90	3.91	4.10

CAL YR 1972 MEAN 3.84 MAX 4.87 MIN 2.95
WTR YR 1973 MEAN 3.42 MAX 4.98 MIN 2.11

02287500 Miami Canal at Pennsuco, near Miami, Fla.

LOCATION.--Lat 25°53'40", long 80°22'45", in NE quarter sec.30, T.52 S., R.40 E., Dade County, on left bank, 20 ft (6 m) upstream from bridge at Pennsuco, 9.3 mi (15.0 km) upstream from salinity-control structure, and 14 mi (23 km) northwest of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Discharge: November 1939 to June 1943.
Gage heights: July 1926 to October 1939 (incomplete), and July 1943 to current year. Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Sept. 28, 1940, nonrecording gage and Sept. 28, 1940, to Mar. 24, 1953, water-stage recorder, at same site at datum 0.50 ft (0.152 m) lower.

EXTREMES.--Current year: Maximum gage height, 4.09 ft (1.247 m) Aug. 25; minimum, 1.95 ft (0.594 m) Apr. 19.
Period of record: Maximum daily discharge, 956 cfs (27.1 cu m/s) Nov. 25, 26, 1940; maximum gage-height, 9.07 ft (2.765 m) (present datum) Oct. 12, 1947; minimum daily discharge, 44 cfs (70.8 cu m/s) Mar. 30, 1943; minimum gage height, 0.05 ft (0.015 m) (present datum) June 18, 1945.

REMARKS.--Stage affected by regulation at salinity dam and by storage releases at control structures 31, 32, and 32A about 5 mi (8 km) upstream.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.84	3.30	2.72	2.65	2.87	2.71	2.50	2.49	2.47	2.78	3.37	4.01
2	2.82	3.22	2.79	2.64	2.85	2.72	2.46	2.46	2.45	2.82	3.28	4.04
3	2.91	3.15	2.82	2.63	2.93	2.72	2.43	2.43	2.42	2.90	3.18	3.99
4	3.12	3.10	2.73	2.61	2.80	2.72	2.40	2.41	2.42	2.83	3.12	3.93
5	3.17	3.07	2.77	2.60	2.83	2.69	2.34	2.46	2.43	2.80	3.05	3.88
6	3.16	3.03	2.79	2.59	2.81	2.67	2.31	2.45	2.41	2.81	2.97	3.84
7	3.14	3.41	2.78	2.59	2.78	2.66	2.31	2.41	2.48	2.67	2.96	3.88
8	3.12	3.53	2.79	2.57	2.78	2.64	2.29	2.36	2.66	2.67	3.06	3.86
9	3.08	3.41	2.77	2.62	2.78	2.64	2.24	2.37	2.68	2.77	3.15	3.78
10	3.04	3.26	2.75	2.73	2.76	2.65	2.19	2.44	2.67	2.80	3.18	3.74
11	3.07	3.15	2.73	3.08	2.60	2.63	2.14	2.42	2.64	3.03	3.15	3.82
12	3.11	3.07	2.71	3.12	2.60	2.59	2.10	2.39	2.59	3.07	3.12	3.77
13	3.06	3.08	2.71	2.96	2.70	2.56	2.07	2.35	2.58	3.15	3.15	3.72
14	3.03	3.14	2.79	2.92	2.73	2.53	2.05	2.36	2.57	3.31	3.12	3.63
15	2.99	3.16	2.88	2.92	2.77	2.51	2.09	2.39	2.54	3.28	3.08	3.55
16	2.97	3.10	2.78	2.89	2.68	2.49	2.05	2.37	2.67	3.24	3.04	3.47
17	3.02	3.04	2.69	2.92	2.74	2.50	2.02	2.31	2.82	3.20	2.99	3.42
18	2.98	3.07	2.79	2.94	2.73	2.50	1.99	2.27	2.61	3.20	3.12	3.33
19	3.00	3.01	2.67	2.88	2.76	2.46	2.08	2.25	2.44	3.25	3.47	3.26
20	3.04	2.94	2.63	2.83	2.71	2.43	2.48	2.22	2.77	3.28	3.69	3.14
21	3.10	2.86	2.75	2.82	2.74	2.49	2.49	2.20	3.08	3.28	3.78	3.11
22	3.08	2.82	2.89	2.84	2.72	2.49	2.48	2.19	2.85	3.36	3.96	3.12
23	3.05	2.78	2.77	2.88	2.70	2.45	2.42	2.16	2.71	3.28	3.89	3.35
24	3.03	2.74	2.69	2.87	2.68	2.42	2.37	2.26	2.59	3.26	3.90	3.34
25	3.01	2.80	2.80	2.86	2.69	2.42	2.34	2.45	2.60	3.18	4.04	3.33
26	3.00	2.82	2.79	2.86	2.70	2.63	2.32	2.51	2.67	3.16	3.96	3.32
27	2.98	2.77	2.76	2.87	2.65	2.69	2.62	2.61	2.72	3.17	3.85	3.29
28	3.16	2.72	2.72	2.87	2.62	2.61	2.38	2.62	2.83	3.18	3.77	3.25
29	3.44	2.69	2.68	2.85	------	2.57	2.26	2.58	2.67	3.37	3.70	3.38
30	3.43	2.72	2.66	2.81	------	2.54	2.35	2.54	2.80	3.49	3.71	3.46
31	3.35	------	2.66	2.86	------	2.51	------	2.50	------	3.48	3.82	------
MEAN	3.07	3.03	2.75	2.81	2.74	2.58	2.29	2.39	2.63	3.10	3.41	3.57
MAX	3.44	3.53	2.89	3.12	2.93	2.72	2.62	2.62	3.08	3.49	4.04	4.04
MIN	2.82	2.69	2.63	2.57	2.60	2.42	1.99	2.16	2.41	2.67	2.96	3.11

CAL YR 1972 MEAN 2.90 MAX 3.64 MIN 2.34
WTR YR 1973 MEAN 2.86 MAX 4.04 MIN 1.99

02288200 Miami Canal at Palmetto bypass, near Hialeah, Fla.

LOCATION.--Lat 25°51'11", long 80°19'22", on line between NE quarter sec.11, T.53 S., R.40 E., Dade County, on fender of east bridge of Palmetto bypass, 40 ft (12 m) streamward of left bank, 3 mi (5 km) northwest of Hialeah, 5 mi (8 km) upstream from salinity-control structure, 9 mi (14 km) downstream from control structure 32 and levee 30, and 10.6 mi (17.1 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1959 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (State Department of Transportation).

AVERAGE DISCHARGE.--13 years, 301 cfs (8.524 cu m/s), 217,900 acre-ft/yr (269 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 482 cfs (13.7 cu m/s) Sept. 30; maximum gage height, 3.85 ft (1.173 m) Sept. 1; minimum daily discharge, 50 cfs (1.42 cu m/s) on many days (estimated); minimum gage height, 1.88 ft (0.573 m) Apr. 19.
Period of record: Maximum daily discharge, 1,510 cfs (42.8 cu m/s) Oct. 8, 1960; maximum gage height, 4.74 ft (1.445 m) Sept. 8, 1965; maximum reverse flow, 515 cfs (14.6 cu m/s) Sept. 8, 1965; minimum gage height, 0.99 ft (0.302 m) May 31, 1962.

REMARKS.--Records fair except those for periods of no deflection record and discharges below 60 cfs (1.70 cu m/s). Flow affected by regulation at salinity-control structure and by storage releases at control structures 31, 32, and 32A about 8 mi (13 km) upstream. Discharge computed from continuous velocity record obtained from recording deflection meter.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	105	87	74	110	110	144	164	50	257	276	217
2	166	105	50	77	123	91	131	169	50	268	276	254
3	148	74	50	87	170	90	143	140	50	253	260	271
4	169	50	163	102	177	104	137	133	50	240	241	271
5	164	50	122	90	116	111	148	126	50	248	245	282
6	141	50	95	88	116	122	147	126	50	249	238	289
7	106	81	91	79	106	128	145	119	50	237	214	298
8	80	150	89	75	95	119	117	124	50	224	220	285
9	111	187	90	96	98	113	109	123	50	212	223	308
10	114	236	92	97	133	108	87	125	50	203	210	328
11	137	243	86	250	172	147	64	112	50	212	229	353
12	126	238	83	350	129	132	66	108	50	204	237	373
13	118	192	84	327	90	119	50	111	50	219	207	377
14	119	183	80	277	57	143	50	99	50	254	190	382
15	138	360	182	240	242	139	50	106	50	237	183	387
16	137	367	309	239	319	144	50	122	50	247	159	398
17	121	283	217	198	226	137	54	93	50	249	157	383
18	125	204	151	199	206	123	54	96	50	246	161	398
19	134	202	195	206	295	136	76	57	50	232	210	387
20	123	189	176	211	297	133	152	66	50	223	181	396
21	122	223	111	187	164	123	136	50	158	259	111	312
22	121	243	182	172	101	150	131	59	145	271	196	316
23	100	234	245	155	141	144	135	52	159	286	221	408
24	72	220	197	149	162	149	149	50	149	298	231	405
25	91	127	99	136	170	144	140	55	166	274	196	412
26	89	162	86	137	168	156	120	75	177	226	224	405
27	94	179	88	118	157	139	150	73	194	166	195	419
28	100	153	78	121	152	150	116	58	216	229	177	415
29	139	149	50	138	------	158	84	50	215	241	182	457
30	100	79	67	122	------	155	133	50	231	220	211	482
31	97	------	74	95	------	144	------	50	------	245	212	------
TOTAL	3,758	5,318	3,769	4,892	4,492	4,061	3,268	2,941	2,810	7,429	6,473	10,668
MEAN	121	177	122	158	160	131	109	94.9	93.7	240	209	356
MAX	169	367	309	350	319	158	152	169	231	298	276	482
MIN	72	50	50	74	57	90	50	50	50	166	111	217
AC-FT	7,450	10,550	7,480	9,700	8,910	8,050	6,480	5,830	5,570	14,740	12,840	21,160

CAL YR 1972 TOTAL 72,240 MEAN 197 MAX 501 MIN 50 AC-FT 143,300
WTR YR 1973 TOTAL 59,879 MEAN 164 MAX 482 MIN 50 AC-FT 118,800

02288200 Miami Canal at Palmetto bypass, near Hialeah, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.43	2.89	2.52	2.51	2.75	2.66	2.45	2.37	2.21	2.63	2.97	3.75
2	2.40	2.86	2.61	2.50	2.75	2.68	2.42	2.35	2.17	2.64	2.90	3.73
3	2.49	2.83	2.66	2.49	2.80	2.68	2.38	2.31	2.16	2.67	2.82	3.66
4	2.69	2.79	2.52	2.48	2.69	2.69	2.36	2.31	2.16	2.66	2.78	3.60
5	2.75	2.77	2.62	2.48	2.73	2.67	2.31	2.35	2.17	2.67	2.73	3.55
6	2.80	2.75	2.65	2.45	2.72	2.64	2.27	2.33	2.18	2.69	2.66	3.51
7	2.80	3.00	2.64	2.45	2.70	2.63	2.25	2.29	2.22	2.52	2.64	3.58
8	2.80	3.06	2.64	2.45	2.70	2.62	2.23	2.25	2.39	2.54	2.77	3.55
9	2.74	2.91	2.61	2.50	2.70	2.60	2.20	2.24	2.41	2.61	2.84	3.45
10	2.71	2.72	2.59	2.61	2.69	2.61	2.14	2.30	2.40	2.62	2.90	3.42
11	2.70	2.64	2.58	2.85	2.49	2.58	2.08	2.28	2.38	2.78	2.85	3.46
12	2.72	2.57	2.55	2.85	2.50	2.56	2.06	2.25	2.33	2.80	2.82	3.41
13	2.70	2.65	2.56	2.70	2.63	2.51	2.04	2.20	2.36	2.84	2.84	3.36
14	2.68	2.75	2.61	2.71	2.65	2.47	2.01	2.21	2.36	2.96	2.84	3.28
15	2.64	2.74	2.66	2.75	2.68	2.45	2.05	2.24	2.30	2.94	2.79	3.21
16	2.60	2.71	2.46	2.72	2.59	2.44	2.01	2.22	2.37	2.89	2.78	3.14
17	2.65	2.68	2.46	2.78	2.69	2.45	1.98	2.15	2.51	2.86	2.74	3.09
18	2.63	2.80	2.62	2.79	2.66	2.46	1.95	2.11	2.52	2.85	2.85	3.00
19	2.65	2.72	2.47	2.73	2.67	2.42	1.95	2.08	2.35	2.93	3.12	2.94
20	2.70	2.66	2.44	2.68	2.63	2.39	2.22	2.06	2.52	2.99	3.29	2.85
21	2.76	2.58	2.60	2.68	2.68	2.46	2.23	2.03	2.70	2.95	3.30	2.96
22	2.77	2.53	2.67	2.71	2.67	2.47	2.24	2.02	2.49	3.01	3.49	3.03
23	2.75	2.49	2.53	2.74	2.66	2.41	2.20	2.00	2.40	2.93	3.39	3.13
24	2.75	2.45	2.48	2.74	2.63	2.37	2.19	2.08	2.32	2.90	3.40	3.15
25	2.71	2.56	2.65	2.74	2.65	2.35	2.17	2.22	2.39	2.86	3.60	3.11
26	2.70	2.56	2.65	2.75	2.65	2.58	2.17	2.26	2.52	2.90	3.51	3.06
27	2.67	2.52	2.62	2.76	2.59	2.63	2.48	2.36	2.53	2.91	3.41	3.04
28	2.72	2.48	2.58	2.76	2.59	2.55	2.33	2.35	2.62	2.87	3.37	2.99
29	3.01	2.45	2.53	2.74	------	2.52	2.24	2.31	2.47	3.02	3.32	3.06
30	3.04	2.51	2.51	2.68	------	2.48	2.26	2.28	2.69	3.17	3.36	3.06
31	2.93	------	2.51	2.74	------	2.45	------	2.24	------	3.11	3.55	------
MEAN	2.71	2.69	2.57	2.66	2.66	2.53	2.20	2.23	2.39	2.83	3.05	3.27
MAX	3.04	3.06	2.67	2.85	2.80	2.69	2.48	2.37	2.70	3.17	3.60	3.75
MIN	2.40	2.45	2.44	2.45	2.49	2.35	1.95	2.00	2.16	2.52	2.64	2.85

CAL YR 1972 MEAN 2.52 MAX 3.10 MIN .00
WTR YR 1973 MEAN 2.65 MAX 3.75 MIN 1.95

02288600 Miami Canal at N.W. 36th Street, Miami, Fla.

LOCATION.—Lat 25°48'29", long 80°15'44", in NE quarter sec.29, T.53 S., R.41 E., Dade County, on right bank at downstream end of N.W. 36th Street Bridge fender at Miami, 200 ft (61 m) upstream from salinity-control structure, 1.4 mi (2.3 km) upstream from Tamiami Canal, and 5.7 mi (9.2 km) upstream from mouth

DRAINAGE AREA.—Indeterminate.

PERIOD OF RECORD.—February 1959 to current year.

GAGE.—Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.—14 years, 325 cfs (9.204 cu m/s), 235,300 acre-ft/yr (290 cu hm/yr).

EXTREMES.—Current year: Maximum daily discharge, 556 cfs (15.7 cu m/s) Sept. 13; maximum gage height, 3.38 ft (1.030 m) Sept. 22; minimum daily discharge, 5.0 cfs (0.142 cu m/s) for many days; minimum gage height, 0.22 ft (0.067 m) Aug. 28.
Period of record: Maximum discharge, 1,900 cfs (53.8 cu m/s) Oct. 2, 1959; maximum gage height, 5.14 ft (1.567 m) Sept. 8, 1965; maximum reverse flow, 1,400 cfs (39.6 cu m/s) estimated Sept. 8, 1965, from hurricane tide; minimum gage height, -0.55 ft (-0.168 m) Apr. 26, 1970.

REMARKS.—Records fair. Flow affected by tide and is occasionally reversed. Some seepage losses above station into City of Miami well field for ground water withdrawals. Natural flow materially affected by levee and control structures 31, 32 and 32A about 14 mi (23 km) upstream. Discharge computed from continuous velocity record obtained from recording deflection meter.

WATER TEMPERATURE (°C).—Dec. 26 (0730) 21.0°; Feb. 26 (0730) 22.0°; Mar. 27 (0745) 24.5°; Apr. 25 (0735) 25.5°; July 26 (0715) 29.0°; Aug. 28 (0800) 29.5°; Sept. 19 (0945) 28.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	266	29	100	60	60	46	5.0	8.0	5.0	190	318	421
2	269	55	74	67	76	30	10	5.0	5.0	238	312	427
3	247	68	77	77	185	5.0	8.0	6.0	5.0	279	309	425
4	245	96	229	77	184	16	14	5.0	5.0	211	309	406
5	243	83	91	68	68	16	12	5.0	5.0	162	309	389
6	223	26	57	49	62	13	6.0	5.0	5.0	161	300	382
7	169	185	61	46	73	7.0	5.0	5.0	5.0	204	292	428
8	91	301	52	46	65	5.0	9.0	5.0	5.0	202	305	464
9	131	364	38	48	59	5.0	9.0	5.0	5.0	202	332	459
10	173	357	44	35	134	5.0	13	5.0	5.0	206	325	451
11	200	336	42	308	226	5.0	7.0	5.0	5.0	246	327	475
12	211	337	38	397	77	5.0	15	5.0	5.0	260	318	492
13	186	239	20	376	67	5.0	11	6.0	5.0	269	332	556
14	173	290	27	274	87	5.0	18	5.0	5.0	284	317	523
15	183	426	188	213	228	5.0	14	5.0	5.0	263	311	524
16	173	398	362	194	180	5.0	8.0	5.0	5.0	248	299	516
17	121	337	220	145	79	5.0	23	5.0	5.0	253	276	527
18	106	250	97	177	75	5.0	12	5.0	5.0	240	282	509
19	94	285	184	202	188	5.0	14	5.0	5.0	212	298	510
20	74	308	170	214	146	5.0	15	5.0	5.0	245	348	474
21	33	317	85	199	70	5.0	16	10	130	288	352	409
22	13	327	202	156	67	5.0	18	7.0	254	306	395	428
23	5.0	332	298	140	106	5.0	16	5.0	251	316	383	493
24	5.0	298	216	150	90	5.0	21	5.0	243	324	376	513
25	5.0	208	97	145	81	5.0	5.0	5.0	186	265	402	550
26	22	223	86	68	22	5.0	5.0	5.0	221	207	385	447
27	76	247	96	63	40	5.0	5.0	5.0	217	200	364	458
28	78	233	81	90	46	5.0	5.0	5.0	278	228	372	451
29	77	216	79	139	------	5.0	5.0	5.0	258	241	362	458
30	74	159	87	90	------	5.0	5.0	5.0	159	232	348	467
31	41	------	60	58	------	10	------	5.0	------	283	381	------
TOTAL	4,007.0	7,330	3,558	4,371	2,841	258.0	329.0	167.0	2,297.0	7,465	10,339	14,032
MEAN	129	244	115	141	101	8.32	11.0	5.39	76.6	241	334	468
MAX	269	426	362	397	228	46	23	10	278	324	402	556
MIN	5.0	26	20	35	22	5.0	5.0	5.0	5.0	161	276	382
AC-FT	7,950	14,540	7,060	8,670	5,640	512	653	331	4,560	14,810	20,510	27,830

CAL YR 1972 TOTAL 86,058.0 MEAN 235 MAX 692 MIN 5.0 AC-FT 170,700
WTR YR 1973 TOTAL 56,994.0 MEAN 156 MAX 556 MIN 5.0 AC-FT 113,000

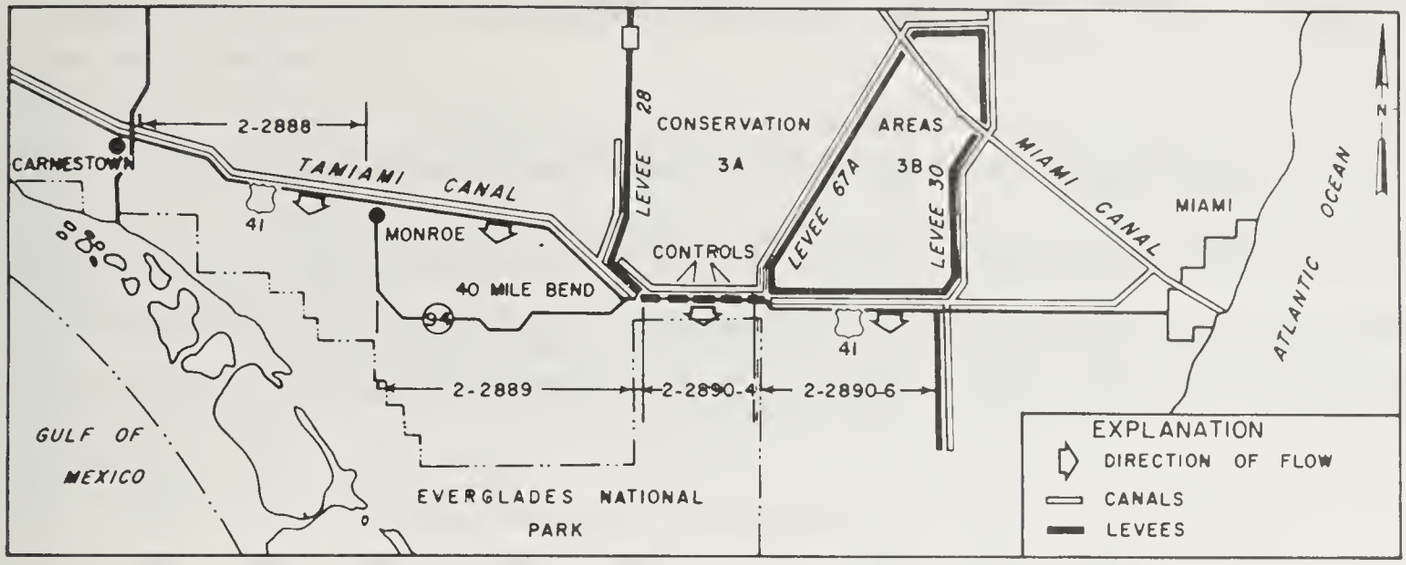
02288600 Miami Canal at N.W. 36th Street, Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

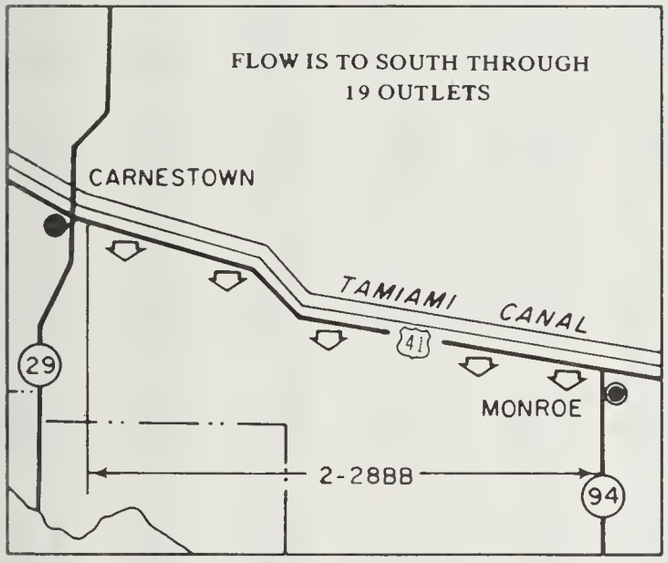
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.64	2.37	2.43	2.42	2.54	2.60	2.33	2.28	2.12	2.46	1.71	1.40
2	1.63	2.32	2.53	2.41	2.52	2.60	2.31	2.26	2.09	2.40	1.62	1.20
3	1.85	2.29	2.57	2.39	2.40	2.60	2.26	2.22	2.08	2.37	1.51	1.15
4	1.99	2.24	2.34	2.39	2.24	2.60	2.24	2.24	2.07	2.43	1.36	1.16
5	2.06	2.20	2.50	2.36	2.52	2.58	2.17	2.26	2.06	2.52	1.25	1.30
6	2.23	2.20	2.54	2.35	2.54	2.56	2.09	2.23	2.07	2.52	1.19	1.39
7	2.30	2.27	2.53	2.35	2.55	2.53	2.08	2.18	2.15	2.27	1.18	1.81
8	2.30	2.40	2.51	2.33	2.56	2.51	2.09	2.13	2.30	2.28	1.30	1.88
9	2.20	2.22	2.50	2.38	2.59	2.49	2.06	2.14	2.32	2.34	1.33	1.59
10	2.09	2.18	2.49	2.49	2.54	2.51	2.04	2.23	2.31	2.30	1.30	1.70
11	1.99	2.21	2.47	2.33	2.34	2.49	1.99	2.20	2.30	2.40	1.17	1.86
12	1.95	2.14	2.42	2.17	2.38	2.45	1.96	2.16	2.26	2.40	1.09	1.88
13	1.99	2.36	2.43	2.11	2.55	2.42	1.95	2.11	2.29	2.41	1.30	1.82
14	1.98	2.49	2.50	2.30	2.57	2.38	1.91	2.12	2.29	2.48	1.29	1.68
15	1.88	2.37	2.43	2.42	2.48	2.36	1.95	2.17	2.22	2.45	1.19	1.69
16	1.82	2.39	2.12	2.42	2.45	2.33	1.91	2.15	2.29	2.42	1.24	1.50
17	2.07	2.43	2.24	2.54	2.58	2.37	1.88	2.09	2.46	2.37	1.27	1.55
18	2.05	2.61	2.48	2.51	2.57	2.38	1.85	2.04	2.45	2.37	1.44	1.59
19	2.11	2.53	2.27	2.38	2.50	2.34	1.86	2.00	2.29	2.43	1.54	1.67
20	2.20	2.47	2.25	2.31	2.50	2.29	2.12	1.99	2.43	2.46	1.58	1.78
21	2.30	2.38	2.49	2.32	2.61	2.36	2.13	1.96	2.53	2.28	1.57	2.26
22	2.34	2.34	2.45	2.41	2.59	2.36	2.11	1.95	2.27	2.30	1.57	2.34
23	2.38	2.28	2.22	2.48	2.53	2.28	2.08	1.93	2.18	2.15	1.42	2.15
24	2.36	2.25	2.28	2.49	2.51	2.26	2.09	2.01	2.11	2.05	1.31	2.05
25	2.28	2.41	2.58	2.47	2.52	2.24	2.08	2.16	2.25	2.07	1.50	1.95
26	2.23	2.40	2.55	2.48	2.53	2.49	2.08	2.18	2.45	2.36	1.44	1.85
27	2.19	2.35	2.52	2.49	2.48	2.55	2.40	2.29	2.36	2.17	1.31	1.83
28	2.16	2.31	2.50	2.49	2.48	2.45	2.29	2.28	2.35	2.17	1.21	1.74
29	2.34	2.29	2.44	2.46	------	2.38	2.15	2.25	2.26	2.30	1.36	1.76
30	2.37	2.39	2.41	2.44	------	2.36	2.15	2.20	2.56	2.45	1.25	1.77
31	2.31	------	2.42	2.59	------	2.34	------	2.15	------	2.13	1.47	------
MEAN	2.12	2.34	2.43	2.40	2.51	2.43	2.09	2.15	2.27	2.35	1.36	1.71
MAX	2.38	2.61	2.58	2.59	2.61	2.60	2.40	2.29	2.56	2.52	1.71	2.34
MIN	1.63	2.14	2.12	2.11	2.24	2.24	1.85	1.93	2.06	2.05	1.08	1.15

CAL YR 1972 MEAN 2.05 MAX 2.73 MIN 1.03
WTR YR 1973 MEAN 2.18 MAX 2.61 MIN 1.08

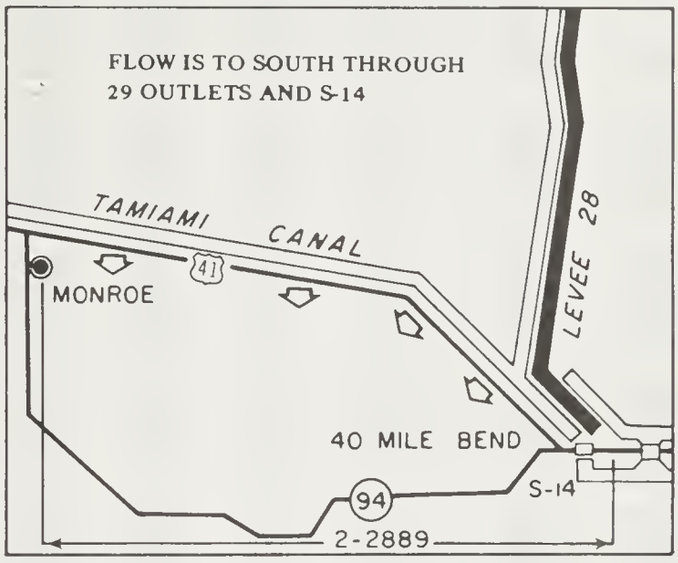
TAMIAMI CANAL OUTLETS



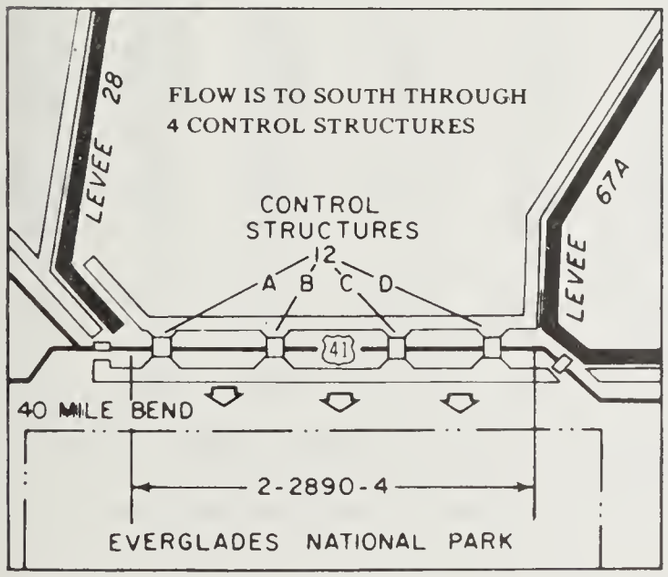
LOCATION



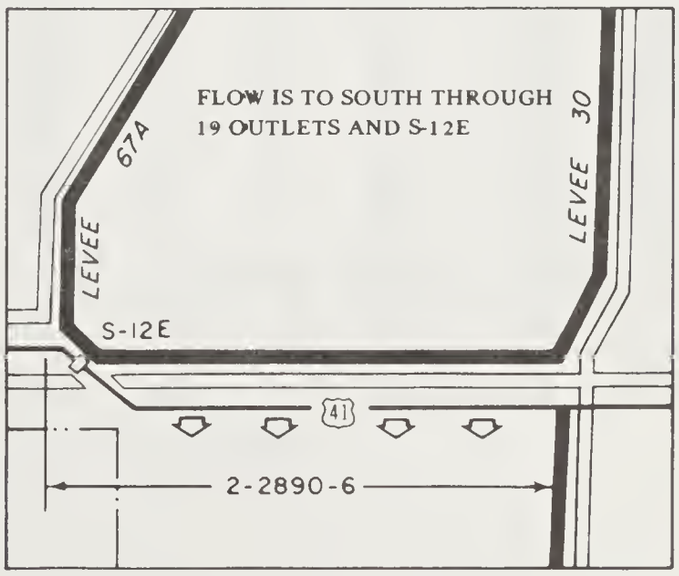
2-2888 MONROE TO CARNESTOWN



2-2889 40-MILE BEND TO MONROE



2-2890.4 LEVEE 67-A TO 40-MILE BEND



2-2890.6 LEVEE 30 TO LEVEE 67-A

Figure 5. Tamiami Canal Outlets.

02288780 Tamiami Canal at bridge 77, near Carnestown, Fla.

LOCATION.--Lat 25°53'55", long 81°21'25", in sec.31, T.52 S., R.30 E., Collier County, on south bank, 50 ft (15 m) east of bridge 77 on U.S. Highway 41, and 1 mi (2 km) east of Carnestown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (State Department of Transportation bench mark). Prior to Oct. 1, 1964, at datum 3.14 ft (0.957 m) lower.

EXTREMES.--Current year: Maximum gage height, 2.98 ft (0.908 m) Sept. 3, 4; minimum, -0.66 ft (-0.201 m) Dec. 17.
Period of record: Maximum gage height, 4.42 ft (1.347 m) (present datum) Sept. 11, 1960; minimum, -0.91 ft (-0.277 m) Mar. 21, 1971.

REMARKS.--Station is one of several located at various points along Tamiami Canal. Gage is primarily for water-level records, but is also an auxiliary gage in determining flow through Tamiami Canal outlets. Stage affected by tide during low flow.

WATER TEMPERATURE (°C).--Dec. 27 (1120) 15.2°; Mar. 13 (0805) 22.5°; June 31 (0930) 27.0°; July 13 (0904) 29.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.93	1.30	1.05	1.17	1.02	.57	1.50	.64	1.05	1.61	1.98	2.58
2	1.95	1.33	.84	1.17	1.17	.91	1.51	.73	1.04	1.55	1.98	2.65
3	1.90	1.47	.99	1.23	1.12	1.04	1.56	.87	1.06	1.60	1.94	2.87
4	1.83	1.51	1.08	1.17	.62	1.12	1.73	1.03	1.01	1.52	1.88	2.96
5	1.82	1.51	1.21	1.21	.77	1.20	1.74	.94	.94	1.57	1.76	2.90
6	2.05	1.61	1.26	1.24	.84	1.30	1.35	.85	.87	1.54	1.67	2.84
7	1.89	1.67	1.13	1.20	.82	1.29	1.35	.86	.72	1.42	1.71	2.82
8	1.89	1.67	1.10	1.36	.88	1.26	1.59	1.02	1.01	1.31	1.80	2.81
9	1.89	1.61	1.00	1.15	1.10	1.28	1.32	1.19	1.01	1.39	1.92	2.78
10	1.87	1.58	.89	.87	1.47	1.19	.82	1.08	.86	1.59	2.04	2.72
11	1.74	1.60	.88	1.32	.34	1.11	.46	.79	.90	1.81	2.07	2.68
12	1.39	1.59	.75	1.31	.47	.99	.66	.89	.98	1.96	2.02	2.66
13	1.33	1.56	.89	.76	.85	1.02	.78	.96	1.04	2.00	1.99	2.66
14	1.55	1.80	.94	.72	1.12	.92	.76	.93	1.00	1.92	2.00	2.65
15	1.55	2.01	1.23	.86	1.25	1.03	.48	.85	.98	1.82	2.02	2.64
16	1.57	1.99	.55	1.00	.97	1.27	.48	.76	1.10	1.77	2.07	2.64
17	1.64	1.95	-.42	1.16	.62	1.26	.68	.54	1.10	1.75	2.09	2.65
18	1.62	1.91	.07	1.37	.54	.62	.81	.70	1.04	1.71	2.08	2.63
19	1.63	1.92	.80	1.51	.70	.73	.87	.77	1.04	1.71	2.13	2.58
20	1.65	1.99	1.14	1.49	.77	1.07	.78	.79	1.09	1.90	2.22	2.53
21	1.39	1.94	1.42	1.44	.59	1.34	.52	.81	1.15	1.92	2.41	2.50
22	1.42	1.84	1.77	1.58	.61	1.08	.56	.76	1.40	1.88	2.46	2.45
23	1.60	1.70	1.72	1.61	.81	.58	.77	.79	1.18	1.86	2.49	2.42
24	1.71	1.53	1.53	1.38	.76	.49	.99	.97	1.14	1.74	2.51	2.50
25	1.75	1.62	1.33	.85	.79	.50	1.11	1.04	1.22	1.68	2.53	2.55
26	1.77	1.80	1.12	1.03	.90	1.00	1.17	.91	1.28	1.71	2.55	2.59
27	1.78	1.57	.75	1.23	.79	1.30	1.31	1.11	1.35	1.75	2.58	2.62
28	1.77	1.37	.91	1.33	.56	1.35	.80	1.26	1.42	1.77	2.54	2.56
29	1.70	1.36	.86	1.06	------	1.39	.53	1.14	1.52	1.78	2.53	2.48
30	1.57	1.36	.98	.44	------	1.28	.60	.99	1.50	1.84	2.52	2.42
31	1.41	------	1.15	.65	------	1.39	------	.95	------	1.94	2.54	------
MEAN	1.70	1.66	1.00	1.16	.83	1.06	.99	.90	1.10	1.72	2.16	2.64
MAX	2.05	2.01	1.77	1.61	1.47	1.39	1.74	1.26	1.52	2.00	2.58	2.96
MIN	1.33	1.30	-.42	.44	.34	.49	.46	.54	.72	1.31	1.67	2.42

CAL YR 1972 MEAN 1.30 MAX 2.50 MIN -.42
WTR YR 1973 MEAN 1.41 MAX 2.96 MIN -.42

02288800 Tamiami Canal outlets, Monroe to Carnestown, Fla.

LOCATION.--Lat 25°53'10", long 81°15'30", in NW quarter sec.6, T.53 S., R.31 E., Collier County, on downstream side of bridge 84 on U. S. Highway 41, 7 mi (11 km) east of Carnestown, and 10 mi (16 km) west of Monroe.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to May 2, 1963, at site 2 mi (3 km) east at datum 0.93 ft (0.283 m) lower. May 2, 1963, to Feb. 10, 1965, at site on west bank of unnamed lateral 30 ft (9 m) downstream.

AVERAGE DISCHARGE.--13 years, 395 cfs (11.19 cu m/s), 286,000 acre-ft/yr (353 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,950 cfs (55.2 cu m/s) Sept. 11; maximum gage height, 3.79 ft (1.140 m) Sept. 11; no flow for many days; minimum gage height, 0.47 ft (0.143 m) May 17 (tide affected).
Period of record: Maximum daily discharge, 6,010 cfs (170 cu m/s) Sept. 13, 1960; maximum gage height, 5.90 ft (1.798 m) present datum; no flow for many days in some years; minimum gage height observed, -0.43 ft (-0.131 m) present datum May 30, 1962.

REMARKS.--Records fair. Figures of discharge consist of runoff from Big Cypress Watershed as represented by flow through all the outlets of the Tamiami Canal from Monroe, 55 mi (88 km) west of Miami, to a point 1 mi (1.6 km) east of the intersection with State Highway 29 at Carnestown. Flow at westernmost outlets slightly affected by tide.

WATER TEMPERATURE (°C).--Nov. 16 (1025) 25.5°; Nov. 29 (1125) 22.5°; Mar. 13 (1230) 24.0°; Mar. 29 (1130) 25.0°; Apr. 27 (1015) 26.0°; June 13 (0900) 29.0°; Aug. 13 (1000) 30.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	217	50	265	35	56	68	41		0	90	549	1,650
2	213	49	225	35	74	61	38		0	200	631	1,580
3	245	48	202	33	88	56	37		0	500	600	1,500
4	304	48	183	33	85	49	37		0	800	570	1,450
5	415	50	168	33	78	43	35		0	990	540	1,450
6	379	72	155	32	71	39	30		0	880	540	1,500
7	314	82	140	32	66	37	29		0	780	600	1,550
8	267	87	128	31	61	34	28		0	850	700	1,700
9	229	88	119	30	57	35	25		.30	890	880	1,850
10	209	84	108	30	60	31	22		.50	800	1,000	1,900
11	202	80	98	60	55	27	16		.30	726	1,100	1,950
12	185	84	89	92	51	22	11		1.6	710	1,000	1,850
13	178	108	81	104	49	17	9.8		3.2	690	991	1,790
14	165	315	74	100	46	17	7.2		3.2	660	900	1,670
15	155	755	69	93	49	16	4.4		7.2	640	950	1,540
16	143	886	62	87	51	16	1.8		13	620	1,000	1,420
17	132	863	53	84	51	19	1.1		13	660	900	1,360
18	119	782	48	81	52	19	1.0		30	824	850	1,300
19	111	729	43	78	61	15	.70		30	715	1,050	1,220
20	107	821	40	76	67	14	.30		33	658	1,300	1,180
21	102	760	37	70	64	21	0		48	672	1,700	1,180
22	91	667	63	68	64	26	0		48	631	1,600	1,190
23	84	596	64	72	65	21	0		40	579	1,500	1,250
24	78	526	58	71	69	16	0		46	528	1,400	1,450
25	72	468	54	69	72	14	0		71	563	1,300	1,520
26	69	444	48	65	77	56	0		60	733	1,250	1,440
27	66	412	42	61	77	61	1.0		52	737	1,150	1,390
28	63	366	40	62	78	53	.20		52	715	1,050	1,290
29	60	337	38	70	------	47	0		64	652	1,300	1,150
30	54	307	37	65	------	43	0		70	570	1,580	1,000
31	52	------	36	59	------	42	------		------	543	1,700	------
TOTAL	5,080	10,964	2,867	1,911	1,794	1,035	376.50	0	686.30	20,606	32,181	44,270
MEAN	164	365	92.5	61.6	64.1	33.4	12.6	0	22.9	665	1,038	1,476
MAX	415	886	265	104	88	68	41	0	71	990	1,700	1,950
MIN	52	48	36	30	46	14	0	0	0	90	540	1,000
AC-FT	10,080	21,750	5,690	3,790	3,560	2,050	747	0	1,360	40,870	63,830	87,810

CAL YR 1972 TOTAL 62,116.80 MEAN 170 MAX 1,420 MIN 0 AC-FT 123,200
WTR YR 1973 TOTAL 121,770.80 MEAN 334 MAX 1,950 MIN 0 AC-FT 241,500

NOTE.--No gage height record Aug. 2 to Sept. 13.

02288800 Tamiami Canal outlets, Monroe to Carnestown, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	1.90	2.57	2.15	2.14	1.92	1.92	.81	1.15	1.82	2.98	3.69
2	2.39	1.88	2.49	2.14	2.26	1.91	1.90	.79	1.10	2.28	3.05	3.65
3	2.47	1.86	2.45	2.12	2.34	1.90	1.87	.84	1.06	2.72	3.01	3.59
4	2.61	1.85	2.41	2.11	2.33	1.87	1.87	.94	1.02	3.05	2.93	3.55
5	2.81	1.85	2.38	2.10	2.29	1.85	1.83	.94	.98	3.19	2.85	3.54
6	2.76	1.99	2.35	2.09	2.26	1.85	1.79	.89	.95	3.07	2.81	3.56
7	2.65	2.02	2.32	2.08	2.23	1.85	1.76	.83	.87	2.94	2.84	3.60
8	2.55	2.04	2.30	2.06	2.20	1.85	1.75	.88	.89	2.98	2.92	3.67
9	2.47	2.02	2.27	2.05	2.17	1.89	1.71	.99	.99	3.02	3.07	3.68
10	2.42	1.99	2.24	2.03	2.20	1.88	1.65	1.02	.98	2.93	3.13	3.77
11	2.41	1.96	2.22	2.28	2.17	1.85	1.55	.90	.93	2.85	3.17	3.79
12	2.37	1.96	2.19	2.46	2.14	1.82	1.45	.85	.99	2.81	3.05	3.74
13	2.35	2.05	2.17	2.51	2.12	1.77	1.39	.87	1.11	2.75	2.99	3.70
14	2.32	2.59	2.15	2.49	2.11	1.76	1.33	.85	1.08	2.70	2.92	3.65
15	2.29	3.22	2.15	2.45	2.13	1.74	1.24	.81	1.19	2.64	2.99	3.58
16	2.26	3.35	2.13	2.42	2.11	1.73	1.11	.75	1.39	2.60	3.04	3.52
17	2.23	3.33	2.10	2.39	2.09	1.77	1.08	.59	1.35	2.62	2.96	3.49
18	2.19	3.26	2.07	2.37	2.06	1.77	1.09	.60	1.62	2.98	2.93	3.47
19	2.17	3.20	2.06	2.35	2.11	1.69	1.09	.66	1.60	2.89	3.11	3.43
20	2.16	3.30	2.06	2.33	2.11	1.66	1.07	.70	1.61	2.85	3.31	3.42
21	2.15	3.25	2.05	2.30	2.07	1.78	.98	.71	1.73	2.90	3.56	3.43
22	2.11	3.14	2.28	2.27	2.03	1.85	.89	.69	1.71	2.88	3.54	3.45
23	2.07	3.06	2.31	2.29	2.01	1.76	.87	.70	1.62	2.84	3.49	3.51
24	2.05	2.97	2.30	2.28	2.01	1.68	.95	.77	1.66	2.80	3.44	3.66
25	2.03	2.89	2.29	2.26	2.01	1.63	1.02	.85	1.82	2.88	3.38	3.73
26	2.02	2.86	2.27	2.22	2.00	2.05	1.07	.83	1.73	3.10	3.35	3.70
27	2.01	2.81	2.24	2.20	1.98	2.12	1.32	.84	1.66	3.13	3.30	3.67
28	2.00	2.74	2.22	2.19	1.95	2.05	1.23	.92	1.64	3.14	3.24	3.62
29	1.99	2.68	2.20	2.24	------	2.00	1.00	.90	1.70	3.09	3.45	3.53
30	1.96	2.64	2.18	2.20	------	1.96	.89	.86	1.74	3.02	3.66	3.43
31	1.93	------	2.16	2.16	------	1.95	------	1.00	------	2.97	3.73	------
MEAN	2.28	2.56	2.24	2.24	2.13	1.84	1.36	.83	1.33	2.85	3.17	3.59
MAX	2.81	3.35	2.57	2.51	2.34	2.12	1.92	1.02	1.82	3.19	3.73	3.79
MIN	1.93	1.85	2.05	2.03	1.95	1.63	.87	.59	.87	1.82	2.81	3.42

CAL YR 1972 MEAN 1.92 MAX 3.63 MIN .93
WTR YR 1973 MEAN 2.20 MAX 3.79 MIN .59

NOTE.--Estimated record Aug. 2 to Sept. 13.

02288860 Tamiami Canal at bridge 96, at Monroe, Fla.

LOCATION.--Lat 25°51'50", long 81°06'00", in NW quarter sec.14, T.53 S., R.32 E., Collier County, near south bank, 40 ft (12 m) east of bridge 96 on U.S. Highway 41, at Monroe. Prior to July 16, 1973, at site 110 ft (34 m) east.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to current year (twice monthly), incomplete; gage heights only. Published since October 1962.

GAGE.--Nonrecording gage read twice monthly. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height observed, 7.69 ft (2.344 m) Aug. 13; minimum observed, 2.40 ft (0.732 m) June 13.
Period of record: Maximum gage height observed, 8.19 ft (2.496 m) Sept. 12, 1960; minimum observed, 1.83 ft (0.558 m) May 30, 1962.

REMARKS.--Station is one of several located at various points along Tamiami Canal and is primarily for water-level observations.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

Oct.	16	5.22	Feb.	15	5.12	July	13	6.05
	30	5.26		27	4.80		16	6.96
Nov.	16	6.28	Mar.	13	4.43		31	6.58
	29	6.07		29	5.14	Aug.	13	7.69
Dec.	13	5.35	Apr.	13	4.13		30	7.47
	27	5.42	May	11	3.45	Sept.	13	7.45
Jan.	12	5.92	June	13	2.40		28	7.18
	30	5.34		28	4.10			

02288900 Tamiami Canal outlets, 40-mile bend to Monroe, Fla.

LOCATION.--Lat 25°51'05", long 80°58'50", in SW quarter sec.13, T.53 S., R.33 E., Collier County, on south bank, 25 ft (8 m) east of bridge 105 on U. S. Highway 41 and 54 mi (87 km) west of Miami, Dade County.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only). October 1963 to current year. Gage height published since October 1962. Prior to October 1963, published as Tamiami Canal at bridge 105, near Miami (auxiliary).

GAGE.--Water-stage recorder. Datum of gage is mean sea level. Prior to Feb. 20, 1952, nonrecording gage and Feb. 20, 1952, to May 28, 1952, water-stage recorder, at same site at datum 0.37 ft (0.113 m) higher.

AVERAGE DISCHARGE.--33 years, 275 cfs (7.788 cu m/s), 199,100 acre-ft/yr (245 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,090 cfs (30.9 cu m/s) Aug. 11, 16; maximum gage height, 8.55 ft (2.606 m) July 14, Aug. 15; no flow for many days; minimum gage height, 4.30 ft (1.311 m) June 17.
Period of record: Maximum daily discharge, 3,800 cfs (108 cu m/s) July 2, 1966, from rating curve extended above 1,700 cfs (48.1 cu m/s);maximum gage height, 10.01 ft (3.051 m) Oct. 20, 1947 (present datum); no flow for many days in some years; minimum gage height, 3.15 ft (0.960 m) May 14, 1971.

REMARKS.--Records good except those below 20 cfs (0.57 cu m/s) and above 1,700 cfs (48.1 cu m/s), which are poor. Figures of daily discharge consist of runoff from Big Cypress Watershed and the Everglades as represented by flow through all 29 bridges from bridge 28 to 22 and bridge 117 to 96. Prior to October 1963, daily discharge for this portion of the canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890.).

WATER TEMPERATURE (°C).--Oct. 30 (1215) 28.5°; Nov. 16 (1200) 25.5°; Nov. 29 (1225) 22.5°; Apr. 13 (0930) 25.0°; Apr. 27 (0900) 25.5°; May 30 (0900) 27.5°; June 13 (0930) 29.5°; July 17 (1300) 29.0°; July 31 (1100) 30.0°; Aug. 13 (1300) 29.5°; Aug. 30 (1300) 29.0°; Sept. 13 (1000) 27.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	49	56	23	22	4.4	3.6	0	0	58	704	834
2	106	49	48	24	23	3.8	3.6	0	0	67	743	1,030
3	97	49	43	25	23	3.3	3.5	0	0	73	742	971
4	117	49	39	26	21	2.8	3.3	0	0	77	703	927
5	116	49	35	27	20	2.4	3.0	0	0	99	732	878
6	99	49	31	28	18	2.0	2.6	0	0	102	830	835
7	89	53	29	29	17	1.6	2.5	0	0	111	872	816
8	80	55	26	29	14	1.6	2.6	0	0	216	890	783
9	75	54	23	30	13	2.0	2.5	0	0	434	1,010	731
10	69	53	21	31	12	2.9	2.2	0	0	475	1,050	677
11	63	53	19	49	10	2.4	1.8	0	0	579	1,090	622
12	61	53	16	62	9.4	1.9	1.5	0	0	679	1,050	597
13	59	56	14	58	8.0	1.4	1.2	.08	0	690	1,020	620
14	55	70	14	55	7.2	1.1	1.1	5.7	0	762	979	660
15	50	151	14	51	6.0	.83	.94	5.6	0	843	1,060	640
16	47	199	14	47	5.9	.59	.76	5.2	0	863	1,090	600
17	48	178	14	44	5.7	.76	.67	4.4	0	863	1,010	520
18	47	152	13	42	5.5	.84	.55	3.8	1.1	824	943	440
19	49	130	13	39	6.2	.52	.40	3.4	10	799	892	380
20	56	122	13	36	6.9	.27	.32	2.7	13	768	828	350
21	55	107	13	34	6.0	.80	.24	2.1	28	716	868	340
22	54	96	19	32	5.6	1.3	.12	1.5	30	682	958	350
23	54	89	21	30	5.4	.94	0	1.4	30	655	878	420
24	51	82	21	29	5.5	.58	0	1.1	51	613	838	640
25	49	77	20	27	5.7	.33	0	.73	77	571	812	720
26	49	83	20	25	6.0	3.4	0	.46	74	575	766	760
27	49	80	20	24	5.5	4.7	0	.20	61	685	705	720
28	49	77	20	23	4.9	4.2	0	0	60	660	641	660
29	49	72	21	23	------	3.8	0	0	56	640	582	600
30	49	64	22	22	------	3.8	0	0	51	770	563	540
31	49	------	23	21	------	3.7	------	0	------	729	600	------
TOTAL	2,066	2,500	715	1,045	298.4	64.96	39.00	38.37	542.1	16,678	26,449	19,661
MEAN	66.6	83.3	23.1	33.7	10.7	2.10	1.30	1.24	18.1	538	853	655
MAX	126	199	56	62	23	4.7	3.6	5.7	77	863	1,090	1,030
MIN	47	49	13	21	4.9	.27	0	0	0	58	563	340
AC-FT	4,100	4,960	1,420	2,070	592	129	77	76	1,080	33,080	52,460	39,000

CAL YR 1972 TOTAL 38,717.74 MEAN 106 MAX 651 MIN 0 AC-FT 76,800
WTR YR 1973 TOTAL 70,096.83 MEAN 192 MAX 1,090 MIN 0 AC-FT 139,000

02288900 Tamiami Canal outlets, 40-mile bend to Monroe, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.17	7.67	7.81	7.65	7.72	7.25	7.69	5.63	4.81	7.01	8.33	8.38
2	8.14	7.65	7.79	7.63	7.78	7.20	7.66	5.53	4.74	7.14	8.35	8.48
3	8.12	7.63	7.77	7.62	7.80	7.17	7.62	5.44	4.63	7.24	8.35	8.45
4	8.20	7.61	7.76	7.61	7.78	7.13	7.57	5.54	4.56	7.32	8.33	8.42
5	8.22	7.59	7.74	7.59	7.76	7.08	7.50	5.61	4.51	7.51	8.35	8.40
6	8.19	7.57	7.73	7.57	7.74	7.04	7.43	5.52	4.46	7.58	8.39	8.38
7	8.16	7.59	7.74	7.55	7.72	6.99	7.38	5.40	4.51	7.66	8.41	8.37
8	8.13	7.59	7.72	7.52	7.69	7.03	7.37	5.29	4.82	7.85	8.42	8.35
9	8.09	7.57	7.71	7.51	7.67	7.10	7.34	5.20	4.85	8.14	8.47	8.33
10	8.06	7.54	7.69	7.49	7.66	7.27	7.25	5.12	4.77	8.22	8.49	8.30
11	8.03	7.51	7.68	7.74	7.62	7.21	7.15	5.03	4.67	8.32	8.51	8.27
12	8.03	7.48	7.67	7.87	7.60	7.15	7.06	4.94	4.56	8.42	8.50	8.26
13	8.03	7.50	7.65	7.86	7.57	7.08	6.98	5.23	4.47	8.47	8.48	8.27
14	8.00	7.61	7.64	7.85	7.56	7.01	6.90	6.75	4.40	8.50	8.46	8.30
15	7.97	7.88	7.63	7.83	7.53	6.95	6.83	6.71	4.36	8.53	8.50	8.31
16	7.95	7.97	7.63	7.81	7.51	6.89	6.75	6.64	4.33	8.53	8.51	8.30
17	7.93	7.96	7.60	7.79	7.47	6.97	6.69	6.54	4.45	8.52	8.48	8.27
18	7.91	7.94	7.58	7.78	7.43	7.03	6.62	6.45	5.13	8.49	8.44	8.24
19	7.91	7.92	7.57	7.75	7.49	6.94	6.55	6.37	6.03	8.47	8.42	8.22
20	7.99	7.91	7.55	7.74	7.50	6.86	6.48	6.26	6.10	8.44	8.38	8.20
21	7.96	7.89	7.54	7.72	7.44	7.07	6.41	6.14	6.53	8.41	8.40	8.20
22	7.93	7.87	7.75	7.71	7.40	7.26	6.33	5.99	6.57	8.38	8.44	8.23
23	7.90	7.85	7.80	7.69	7.36	7.17	6.24	5.95	6.54	8.36	8.40	8.30
24	7.85	7.83	7.78	7.68	7.36	7.08	6.15	5.83	6.83	8.33	8.38	8.42
25	7.81	7.81	7.76	7.67	7.37	7.00	6.06	5.69	7.11	8.30	8.37	8.47
26	7.79	7.87	7.74	7.65	7.37	7.59	5.97	5.57	7.05	8.29	8.34	8.51
27	7.77	7.88	7.72	7.64	7.32	7.86	6.05	5.43	6.92	8.33	8.31	8.50
28	7.75	7.86	7.70	7.63	7.28	7.83	5.98	5.28	6.88	8.31	8.28	8.47
29	7.74	7.84	7.68	7.67	------	7.79	5.84	5.13	6.88	8.30	8.25	8.44
30	7.72	7.83	7.67	7.66	------	7.76	5.74	4.97	6.88	8.34	8.24	8.41
31	7.70	------	7.66	7.66	------	7.73	------	4.88	------	8.34	8.26	------
MEAN	7.97	7.74	7.69	7.68	7.55	7.21	6.79	5.68	5.45	8.13	8.39	8.35
MAX	8.22	7.97	7.81	7.87	7.80	7.86	7.69	6.75	7.11	8.53	8.51	8.51
MIN	7.70	7.48	7.54	7.49	7.28	6.86	5.74	4.88	4.33	7.01	8.24	8.20

CAL YR 1972 MEAN 7.84 MAX 8.45 MIN 6.87
WTR YR 1973 MEAN 7.39 MAX 8.53 MIN 4.33

02288945 Tamiami Canal at bridge 115, near Miami, Fla.

LOCATION.--Lat 25°49'30", long 80°53'45", in sec.26, T.53 S., R.34 E., Collier County, on north side of bridge 115 on U.S. Highway 41, 48 mi (77.2 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1943 to current year (twice monthly), incomplete; gage heights only. Published since October 1962.

GAGE.--Nonrecording gage read twice monthly. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height observed 8.97 ft (2.734 m) July 16; minimum observed, 5.40 ft (1.646 m) June 13.
Period of record: Maximum gage height observed; 9.95 ft (3.033 m) Oct. 20, 1947; minimum observed, 4.02 ft (1.225 m) May 10, 1946.

REMARKS.--Station is one of several located at various points along Tamiami Canal and is primarily for water-level observations.

WATER TEMPERATURE (°C).--Oct. 30 (1120) 28.5°; Nov. 16 (1200) 25.0°; Nov. 29 (1320) 22.5°; Dec. 27 (1225) 15.2°; Jan. 12 (1015) 22.5°; Mar. 13 (1030) 23.5°; July 13 (0950) 20.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

Oct. 16	8.31	Jan. 30	8.13	June 28	8.38
30	8.15	Feb. 15	7.88	July 13	8.16
Nov. 16	8.29	27	7.73	16	8.97
29	8.21	Mar. 13	7.50	31	8.76
Dec. 13	7.94	28	7.84	Aug. 13	8.79
27	8.07	Apr. 13	7.23	30	8.59
Jan. 12	8.24	June 13	5.40	Sept.13	8.57

02288970 Big Cypress Watershed at Training Airport, near Miami, Fla.

LOCATION.--Lat 25°51'51", long 80°53'45", in SE quarter sec.11, T.53 S., R.34 E., Collier County, in silt trap 90 ft (27 m) upstream from culvert in taxiway of training airport, 1.4 mi (2.3 km) west of Dade County line, and 45 mi (72 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum daily discharge, 90 cfs (2.55 cu m/s) July 12; maximum gage height, 9.77 ft (2.978 m) July 11; no flow for many days; minimum gage height, 5.55 ft (1.692 m) June 15.
Period of record: Maximum daily discharge, 90 cfs (2.55 cu m/s) July 12, 1973; maximum gage height, 9.77 ft (2.978 m) July 11, 1973; no flow for many days each year; minimum gage height, 4.77 ft (1.454 m) May 1, 1971.

REMARKS.--Records fair. Figures of daily discharge consist of runoff from Big Cypress Watershed as represented by flow through all the culverts from east to west along the Training Airport runway.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.69	0	0	0		0			0	.97	11	4.6
2	.44	0	0	0		0			0	1.9	8.9	4.4
3	.55	0	0	0		0			0	1.4	8.3	4.8
4	.83	0	0	0		0			0	1.4	11	4.8
5	.90	0	0	0		0			0	1.4	11	4.4
6	.76	0	0	0		0			0	2.6	15	4.1
7	.55	0	0	0		0			0	2.9	23	3.5
8	.38	0	0	0		0			0	10	31	3.1
9	.27	0	0	0		.44			0	39	47	2.9
10	.11	0	0	0		.05			0	39	43	2.5
11	0	0	0	.83		0			0	64	35	2.3
12	.44	0	0	0		0			0	90	27	2.0
13	.22	0	0	0		0			0	68	27	1.8
14	0	0	0	0		0			0	52	21	2.5
15	0	1.2	0	0		0			0	43	21	3.1
16	0	.16	0	0		0			.44	31	13	3.9
17	0	0	0	0		0			.90	23	10	4.1
18	0	0	0	0		0			0	17	7.0	3.5
19	0	0	0	0		0			0	11	5.0	3.0
20	0	0	0	0		0			0	8.3	4.2	2.6
21	0	0	0	0		0			.44	6.3	9.6	2.3
22	0	0	.49	0		0			0	5.0	10	2.4
23	0	0	0	0		0			0	4.8	6.3	2.9
24	0	0	0	0		0			.69	4.1	7.0	2.5
25	0	0	0	0		0			.55	3.3	6.3	2.1
26	0	0	0	0		.90			.27	4.4	4.8	1.8
27	0	0	0	0		.11			.27	5.0	4.1	1.6
28	0	0	0	0		0			.16	5.0	3.5	1.5
29	0	0	0	0	------	0			.05	7.0	2.9	1.3
30	0	0	0	0	------	0			0	11	3.0	1.1
31	0	------	0	0	------	0	------		------	13	3.7	------
TOTAL	6.14	1.36	.49	.83	0	1.50	0	0	3.77	576.77	440.6	87.4
MEAN	.20	.045	.016	.027	0	.048	0	0	.13	18.6	14.2	2.91
MAX	.90	1.2	.49	.83	0	.90	0	0	.90	90	47	4.8
MIN	0	0	0	0	0	0	0	0	0	.97	2.9	1.1
AC-FT	12	2.7	1.0	1.6	0	3.0	0	0	7.5	1,140	874	173

CAL YR 1972 TOTAL 338.92 MEAN .93 MAX 72 MIN 0 AC-FT 672
WTR YR 1973 TOTAL 1,118.86 MEAN 3.07 MAX 90 MIN 0 AC-FT 2,220

02288970 Big Cypreas Watershed at Training Airport, near Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.89	8.16	8.58	8.38	8.52	7.88	8.62	6.71	5.86	8.97	9.45	9.34
2	8.85	8.12	8.56	8.35	8.54	7.83	8.49	6.64	5.82	9.18	9.42	9.35
3	8.87	8.09	8.54	8.33	8.65	7.79	8.46	6.58	5.77	9.14	9.40	9.37
4	8.91	8.06	8.53	8.30	8.62	7.76	8.42	6.64	5.73	9.14	9.42	9.38
5	8.92	8.02	8.51	8.27	8.55	7.72	8.36	6.63	5.68	9.14	9.43	9.36
6	8.90	7.99	8.49	8.24	8.51	7.69	8.31	6.55	5.64	9.21	9.44	9.34
7	8.87	7.96	8.47	8.20	8.47	7.65	8.22	6.48	6.16	9.26	9.48	9.32
8	8.84	7.94	8.45	8.17	8.43	7.63	8.10	6.41	5.98	9.41	9.49	9.30
9	8.82	7.92	8.42	8.14	8.39	8.11	8.00	6.35	5.78	9.64	9.55	9.28
10	8.79	7.89	8.39	8.11	8.36	8.84	7.97	6.28	5.73	9.64	9.53	9.25
11	8.76	7.85	8.37	8.78	8.32	8.70	7.96	6.22	5.69	9.69	9.50	9.23
12	8.78	7.83	8.32	8.82	8.27	8.61	7.94	6.16	5.65	9.74	9.47	9.20
13	8.82	7.80	8.28	8.76	8.23	8.53	7.89	6.69	5.61	9.71	9.46	9.18
14	8.77	8.19	8.26	8.74	8.20	8.45	7.83	8.27	5.58	9.67	9.42	9.26
15	8.73	8.87	8.24	8.72	8.20	8.37	7.76	7.29	5.61	9.65	9.43	9.31
16	8.70	8.82	8.23	8.70	8.17	8.28	7.71	7.10	6.16	9.62	9.40	9.35
17	8.67	8.79	8.20	8.68	8.10	8.30	7.67	6.96	9.03	9.58	9.37	9.38
18	8.65	8.77	8.15	8.66	8.06	8.30	7.61	6.84	8.74	9.55	9.33	9.35
19	8.62	8.75	8.14	8.64	8.09	8.18	7.55	6.73	8.55	9.51	9.31	9.32
20	8.60	8.74	8.13	8.61	8.16	8.08	7.49	6.63	8.55	9.47	9.28	9.29
21	8.58	8.72	8.12	8.59	8.12	8.45	7.42	6.53	8.94	9.44	9.34	9.26
22	8.55	8.69	8.81	8.57	8.05	8.54	7.34	6.44	8.81	9.42	9.41	9.27
23	8.51	8.67	8.73	8.56	8.00	8.32	7.27	6.35	8.74	9.41	9.36	9.33
24	8.48	8.65	8.66	8.55	7.98	8.18	7.19	6.28	8.93	9.37	9.37	9.29
25	8.46	8.64	8.61	8.54	7.98	8.08	7.11	6.20	9.01	9.33	9.37	9.25
26	8.43	8.68	8.57	8.53	7.99	8.75	7.04	6.13	8.96	9.34	9.34	9.23
27	8.38	8.69	8.53	8.51	7.97	8.88	7.03	6.05	8.96	9.40	9.31	9.20
28	8.34	8.66	8.50	8.50	7.92	8.81	6.98	5.98	8.94	9.39	9.28	9.19
29	8.30	8.63	8.46	8.68	------	8.77	6.88	5.97	8.92	9.42	9.25	9.17
30	8.26	8.61	8.43	8.60	------	8.73	6.80	6.11	8.89	9.47	9.25	9.15
31	8.20	------	8.41	8.55	------	8.68	------	5.91	------	9.47	9.30	------
MEAN	8.65	8.37	8.42	8.51	8.24	8.29	7.71	6.52	7.21	9.43	9.39	9.28
MAX	8.92	8.87	8.81	8.82	8.65	8.88	8.62	8.27	9.03	9.74	9.55	9.38
MIN	8.20	7.80	8.12	8.11	7.92	7.63	6.80	5.91	5.58	8.97	9.25	9.15

CAL YR 1972 MEAN 8.68 MAX 9.58 MIN 7.76
WTR YR 1973 MEAN 8.34 MAX 9.74 MIN 5.58

02288971 Big Cypress Watershed below Training Airport near Miami, Fla.

LOCATION.--Lat 25°51'37", long 80°53'45", in NE quarter sec.14, T.53 S., R.34 E., Collier County, 1.4 mi (2.3 km) west of Dade County line, and 45 mi (72 km) west of Miami.

PERIOD OF RECORD.--June 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum gage height, 9.21 ft (2.807 m) July 14, 15; minimum, 5.43 ft (1.655 m) June 15.
Period of record: Maximum gage height, 9.31 ft (2.838 m) July 27, 1970; minimum, 4.73 ft (1.442 m) May 1, 1971.

REMARKS.--Gage records water levels in the Big Cypress Watershed south of the training airport.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.75	8.15	8.53	8.33	8.46	7.83	8.58	6.57	5.73	8.65	9.04	8.95
2	8.73	8.12	8.50	8.30	8.51	7.79	8.56	6.49	5.68	8.76	9.01	9.00
3	8.73	8.09	8.49	8.27	8.55	7.76	8.53	6.44	5.63	8.73	8.99	9.00
4	8.78	8.06	8.47	8.25	8.52	7.72	8.49	6.56	5.58	8.72	9.03	9.01
5	8.79	8.03	8.45	8.22	8.49	7.68	8.43	6.51	5.54	8.74	9.08	8.99
6	8.77	8.00	8.45	8.19	8.45	7.65	8.37	6.42	5.50	8.78	9.06	8.97
7	8.75	7.98	8.45	8.16	8.41	7.62	8.31	6.34	5.65	8.83	9.09	8.96
8	8.73	7.96	8.42	8.13	8.37	7.65	8.27	6.27	5.73	8.91	9.06	8.94
9	8.71	7.93	8.38	8.10	8.33	7.98	8.20	6.21	5.62	9.00	9.08	8.92
10	8.69	7.89	8.36	8.08	8.36	8.60	8.09	6.15	5.59	8.96	9.07	8.90
11	8.67	7.87	8.32	8.57	8.26	8.55	7.99	6.09	5.56	9.04	9.07	8.89
12	8.69	7.84	8.29	8.66	8.21	8.48	7.90	6.02	5.53	9.13	9.05	8.87
13	8.70	7.81	8.26	8.33	8.18	8.40	7.82	6.36	5.49	9.16	9.04	8.85
14	8.68	8.11	8.24	8.01	8.18	8.30	7.74	7.37	5.46	9.18	9.01	8.85
15	8.66	8.59	8.22	8.01	8.20	8.21	7.67	6.98	5.45	9.21	9.03	8.86
16	8.64	8.67	8.26	8.01	8.12	8.12	7.61	6.88	5.97	9.20	9.00	8.91
17	8.63	8.65	8.16	8.01	8.06	8.17	7.55	6.77	8.57	9.18	8.98	8.90
18	8.61	8.63	8.13	8.01	8.03	8.12	7.48	6.66	8.41	9.15	8.95	8.88
19	8.58	8.64	8.12	8.01	8.18	8.02	7.42	6.56	8.28	9.12	8.93	8.87
20	8.57	8.58	8.11	8.01	8.16	7.94	7.36	6.47	8.29	9.09	8.91	8.85
21	8.55	8.55	8.13	8.01	8.06	8.27	7.28	6.38	8.57	9.07	8.93	8.85
22	8.51	8.53	8.60	8.01	8.00	8.29	7.21	6.29	8.57	9.06	9.01	8.83
23	8.48	8.51	8.60	8.01	7.97	8.14	7.13	6.21	8.55	9.06	8.97	8.85
24	8.45	8.49	8.57	8.01	7.97	8.03	7.05	6.14	8.62	9.02	8.98	8.99
25	8.43	8.47	8.54	8.01	8.01	7.96	6.98	6.07	8.70	8.97	8.99	9.05
26	8.40	8.53	8.51	8.01	7.99	8.53	6.90	5.99	8.66	8.97	8.96	9.03
27	8.35	8.60	8.47	8.01	7.92	8.65	6.95	5.92	8.64	9.06	8.93	9.02
28	8.32	8.57	8.44	8.02	7.88	8.62	6.83	5.85	8.64	9.00	8.90	9.00
29	8.29	8.56	8.41	8.56	------	8.61	6.74	5.80	8.63	9.00	8.88	8.98
30	8.24	8.56	8.38	8.51	------	8.60	6.65	5.80	8.62	9.01	8.88	8.95
31	8.19	------	8.35	8.47	------	8.59	------	5.77	------	9.03	8.92	------
MEAN	8.58	8.30	8.37	8.17	8.21	8.16	7.67	6.33	6.98	8.99	8.99	8.93
MAX	8.79	8.67	8.60	8.66	8.55	8.65	8.58	7.37	8.70	9.21	9.09	9.05
MIN	8.19	7.81	8.11	8.01	7.88	7.62	6.65	5.77	5.45	8.65	8.88	8.83

CAL YR 1972 MEAN 8.55 MAX 9.21 MIN 7.73
WTR YR 1973 MEAN 8.14 MAX 9.21 MIN 5.45

02288990 Tamiami Canal at 40-mile bend, near Miami, Fla.

LOCATION.--Lat 25°45'50", long 80°49'50", in SE quarter sec.16, T.54 S., R.35 E., Dade County, at 40-mile bend on U.S. Highway 41, 38 mi (61 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1939 to June 1940 (weekly) and July 1940 to current year (gage heights only). Published October 1960 to September 1963 as Tamiami Canal outlets, Miami to Monroe (sta 02289000).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level, datum of 1929. Prior to Aug. 31, 1949, nonrecording gage at site, 1,800 ft (549 m) downstream at datum 0.87 ft (0.265 m) lower and Aug. 31, 1949, to Dec. 28, 1951, at present datum. Dec. 29, 1951, to June 12, 1961, water-stage recorder at site 1,800 ft (549 m) downstream at present datum.

EXTREMES.--Current year: Maximum gage height, 8.63 ft (2.630 m) Sept. 3; minimum, 5.54 ft (1.689 m) May 28.
Period of record: Maximum gage height, 10.3 ft (3.14 m) estimated present datum, Oct. 12, 1947; minimum observed, 1.46 ft (0.445 m) June 11, 1945.

REMARKS.--Station is one of several located at various points along Tamiami Canal and is primarily for water-level record.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.38	8.18	8.17	8.04	7.98	7.81	7.80	6.44	5.74	8.06	8.32	8.43
2	8.37	8.18	8.15	8.04	8.01	7.79	7.75	6.39	5.71	8.07	8.31	8.50
3	8.38	8.17	8.14	8.03	8.04	7.77	7.70	6.34	5.67	8.08	8.30	8.51
4	8.40	8.16	8.14	8.02	8.02	7.75	7.75	6.36	5.63	8.10	8.30	8.53
5	8.40	8.16	8.13	8.02	8.01	7.73	7.80	6.35	5.64	8.11	8.31	8.48
6	8.39	8.16	8.14	8.01	7.99	7.71	7.70	6.31	5.62	8.12	8.32	8.45
7	8.38	8.15	8.19	8.00	7.98	7.68	7.60	6.27	5.77	8.13	8.35	8.42
8	8.36	8.16	8.16	7.99	7.96	7.69	7.55	6.22	6.37	8.17	8.35	8.40
9	8.35	8.16	8.15	7.99	7.94	7.72	7.50	6.18	6.53	8.20	8.37	8.39
10	8.34	8.14	8.14	7.99	7.99	7.82	7.40	6.15	6.58	8.17	8.38	8.37
11	8.33	8.14	8.13	8.07	7.97	7.81	7.35	6.11	6.56	8.23	8.38	8.38
12	8.33	8.13	8.11	8.14	7.95	7.79	7.32	6.05	6.52	8.29	8.36	8.35
13	8.32	8.12	8.10	8.13	7.93	7.76	7.29	6.00	6.46	8.29	8.36	8.34
14	8.31	8.15	8.09	8.12	7.92	7.72	7.25	6.06	6.41	8.31	8.35	8.34
15	8.30	8.27	8.08	8.10	7.95	7.69	7.20	6.20	6.40	8.36	8.41	8.34
16	8.29	8.27	8.10	8.09	7.95	7.65	7.14	6.24	6.50	8.35	8.39	8.33
17	8.30	8.26	8.08	8.08	7.93	7.66	7.09	6.20	6.98	8.34	8.37	8.32
18	8.29	8.24	8.07	8.07	7.91	7.68	7.04	6.14	7.20	8.32	8.35	8.31
19	8.28	8.23	8.06	8.07	7.93	7.63	6.99	6.09	7.39	8.31	8.34	8.31
20	8.28	8.23	8.05	8.06	7.94	7.57	6.95	6.03	7.64	8.31	8.33	8.30
21	8.28	8.22	8.03	8.04	7.92	7.65	6.89	5.98	7.78	8.32	8.34	8.30
22	8.27	8.21	8.12	8.03	7.89	7.72	6.83	5.93	7.82	8.31	8.38	8.28
23	8.26	8.20	8.13	8.04	7.87	7.68	6.77	5.87	7.83	8.31	8.37	8.31
24	8.26	8.19	8.12	8.04	7.86	7.63	6.71	5.83	7.89	8.29	8.35	8.32
25	8.26	8.17	8.11	8.03	7.87	7.57	6.65	5.79	7.94	8.27	8.36	8.35
26	8.24	8.20	8.10	8.01	7.87	7.76	6.60	5.74	7.95	8.26	8.35	8.37
27	8.23	8.20	8.09	8.00	7.86	7.90	6.61	5.67	7.96	8.32	8.34	8.35
28	8.22	8.19	8.08	8.00	7.84	7.88	6.61	5.63	7.99	8.37	8.32	8.35
29	8.22	8.18	8.07	8.02	------	7.87	6.54	5.59	7.99	8.34	8.31	8.34
30	8.21	8.17	8.06	8.00	------	7.80	6.49	5.71	8.01	8.32	8.32	8.34
31	8.20	------	8.05	7.98	------	7.74	------	5.75	------	8.32	8.38	------
MEAN	8.30	8.19	8.11	8.04	7.94	7.73	7.16	6.05	6.88	8.25	8.35	8.37
MAX	8.40	8.27	8.19	8.14	8.04	7.90	7.80	6.44	8.01	8.37	8.41	8.53
MIN	8.20	8.12	8.03	7.98	7.84	7.57	6.49	5.59	5.62	8.06	8.30	8.28

CAL YR 1972 MEAN 8.17 MAX 8.68 MIN 7.59
WTR YR 1973 MEAN 7.78 MAX 8.53 MIN 5.59

02289018 Tamiami Canal above S-12-B, near Miami, Fla.

LOCATION.--Lat 25°45'42", long 80°46'05", in N half sec.19, T.54 S., R.36 E., Dade County, on south bank of levee 29 borrow ditch, 100 ft (30 m) northwest of control structure 12-B and 35 mi (56 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 9.92 ft (3.024 m) Sept. 26; minimum, 6.57 ft (2.003 m) May 27.
Period of record: Maximum gage height, 10.55 ft (3.216 m) Oct. 26, 1968; minimum, 5.31 ft (1.618 m) May 21, 1963.

REMARKS.--Station is one of several located above the gated control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B.

COOPERATION.--Gate-opening record furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.47	8.86	8.54	8.25	8.07	8.05	7.65	7.05	6.93	7.63	8.54	9.58
2	9.42	8.84	8.53	8.24	8.06	8.02	7.72	7.01	6.88	7.64	8.55	9.63
3	9.39	8.82	8.51	8.23	8.07	8.01	7.64	6.96	6.86	7.68	8.59	9.69
4	9.43	8.80	8.49	8.21	8.07	7.99	7.65	6.97	6.82	7.71	8.60	9.71
5	9.46	8.78	8.48	8.21	8.06	7.96	7.69	7.14	6.80	7.73	8.61	9.71
6	9.44	8.77	8.47	8.20	8.04	7.94	7.64	7.17	6.78	7.74	8.62	9.71
7	9.38	8.76	8.46	8.18	8.03	7.92	7.56	7.16	6.77	7.75	8.65	9.74
8	9.35	8.76	8.45	8.15	8.00	7.90	7.56	7.12	6.94	7.77	8.68	9.74
9	9.33	8.75	8.44	8.16	7.98	7.88	7.57	7.05	7.04	7.80	8.76	9.76
10	9.30	8.73	8.42	8.16	7.95	7.88	7.55	7.09	7.08	7.82	8.81	9.77
11	9.27	8.71	8.41	8.26	7.98	7.86	7.48	7.10	7.06	7.93	8.83	9.79
12	9.26	8.70	8.39	8.30	7.99	7.83	7.41	6.87	6.98	7.97	8.83	9.79
13	9.25	8.68	8.38	8.29	7.99	7.82	7.37	6.73	6.89	8.00	8.85	9.80
14	9.22	8.69	8.36	8.26	7.99	7.78	7.34	6.68	6.87	8.04	8.88	9.80
15	9.20	8.79	8.35	8.25	8.03	7.75	7.34	6.84	6.89	8.09	8.90	9.79
16	9.19	8.80	8.35	8.23	8.05	7.69	7.27	6.91	7.05	8.10	8.91	9.77
17	9.20	8.77	8.33	8.23	8.06	7.68	7.24	6.90	7.13	8.15	8.92	9.77
18	9.18	8.74	8.30	8.23	8.06	7.69	7.18	6.90	7.18	8.19	8.93	9.74
19	9.16	8.72	8.29	8.21	8.08	7.65	7.15	6.89	7.22	8.20	8.96	9.73
20	9.14	8.69	8.28	8.19	8.08	7.60	7.16	6.82	7.27	8.26	8.96	9.72
21	9.13	8.68	8.25	8.18	8.08	7.55	7.12	6.85	7.37	8.30	9.01	9.71
22	9.10	8.66	8.30	8.15	8.06	7.64	7.06	6.83	7.41	8.32	9.10	9.74
23	9.09	8.64	8.32	8.15	8.05	7.63	7.00	6.80	7.44	8.34	9.14	9.82
24	9.06	8.63	8.32	8.16	8.05	7.60	6.94	6.80	7.49	8.34	9.18	9.86
25	9.02	8.60	8.30	8.15	8.05	7.52	6.90	6.76	7.51	8.34	9.28	9.90
26	8.95	8.59	8.28	8.13	8.04	7.57	6.93	6.75	7.54	8.36	9.32	9.89
27	8.92	8.59	8.28	8.12	8.05	7.71	6.92	6.71	7.55	8.43	9.34	9.89
28	8.89	8.60	8.28	8.08	8.05	7.73	7.08	6.71	7.56	8.48	9.37	9.89
29	8.87	8.58	8.27	8.07	------	7.72	7.05	6.72	7.57	8.47	9.37	9.88
30	8.88	8.55	8.27	8.07	------	7.72	7.09	6.85	7.59	8.48	9.44	9.86
31	8.87	------	8.26	8.06	------	7.70	------	6.95	------	8.50	9.54	------
MEAN	9.19	8.71	8.37	8.19	8.04	7.77	7.31	6.91	7.15	8.08	8.95	9.77
MAX	9.47	8.86	8.54	8.30	8.08	8.05	7.72	7.17	7.59	8.50	9.54	9.90
MIN	8.87	8.55	8.25	8.06	7.95	7.52	6.90	6.68	6.77	7.63	8.54	9.58

CAL YR 1972 MEAN 8.72 MAX 9.81 MIN 7.55
WTR YR 1973 MEAN 8.20 MAX 9.90 MIN 6.68

02289019 Tamiami Canal below S-12-B, near Miami, Fla.

LOCATION.--Lat 25°45'40", long 80°46'05", in N half sec.19, T.54 S., R.36 E., Dade County, on west bank of spillway, 100 ft (30 m) southwest of control structure 12-B, and 35 mi (56 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 9.28 ft (2.829 m) Sept. 24-29; minimum, 6.54 ft (1.993 m) May 27.
Period of record: Maximum gage height, 10.22 ft (3.115 m) Nov. 7-11, 1969; minimum, 5.35 ft (1.862 m) May 21, 1963.

REMARKS.--Station is one of several located below the gated control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through structure 12-B.

COOPERATION.--Gate-opening record furnished by Corps of Engineers.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.92	8.83	8.54	8.22	8.06	8.05	7.62	7.07	6.93	7.62	8.43	8.39
2	9.09	8.80	8.52	8.21	8.05	8.02	7.66	7.02	6.88	7.64	8.44	8.32
3	9.22	8.78	8.51	8.20	8.07	8.01	7.58	6.97	6.86	7.68	8.46	8.32
4	9.25	8.76	8.49	8.19	8.06	7.99	7.53	6.99	6.82	7.71	8.48	8.31
5	9.26	8.75	8.48	8.18	8.06	7.96	7.61	7.14	6.80	7.75	8.49	8.45
6	9.25	8.73	8.47	8.17	8.04	7.95	7.61	7.18	6.78	7.75	8.48	8.63
7	9.22	8.72	8.46	8.15	8.02	7.92	7.52	7.18	6.77	7.77	8.52	8.63
8	9.20	8.72	8.45	8.13	8.00	7.90	7.45	7.15	6.92	7.79	8.54	8.63
9	9.19	8.71	8.44	8.12	7.97	7.88	7.48	7.07	7.06	7.83	8.58	8.64
10	9.17	8.70	8.42	8.12	7.95	7.88	7.50	7.11	7.09	7.86	8.59	8.65
11	9.16	8.67	8.41	8.22	7.98	7.86	7.46	7.13	7.08	7.98	8.63	8.64
12	9.15	8.67	8.39	8.27	7.98	7.83	7.41	6.92	6.99	8.01	8.64	8.64
13	9.14	8.65	8.38	8.25	7.98	7.81	7.38	6.76	6.88	8.04	8.56	8.76
14	9.12	8.65	8.36	8.23	8.01	7.78	7.35	6.71	6.87	8.09	8.28	9.07
15	9.10	8.75	8.34	8.22	8.04	7.75	7.35	6.88	6.89	8.14	8.28	9.07
16	9.09	8.76	8.34	8.20	8.05	7.69	7.29	6.95	7.04	8.16	8.28	9.07
17	9.10	8.73	8.33	8.20	8.06	7.68	7.25	6.94	7.13	8.17	8.28	9.06
18	9.09	8.71	8.31	8.19	8.06	7.69	7.19	6.93	7.17	8.20	8.26	9.07
19	9.11	8.68	8.29	8.18	8.08	7.65	7.16	6.92	7.21	8.21	8.27	9.06
20	9.13	8.66	8.28	8.16	8.08	7.60	7.18	6.85	7.25	8.28	8.28	9.04
21	9.11	8.64	8.23	8.15	8.07	7.55	7.14	6.87	7.35	8.32	8.29	9.10
22	9.10	8.62	8.28	8.12	8.06	7.65	7.06	6.86	7.38	8.35	8.29	9.17
23	9.08	8.60	8.31	8.12	8.05	7.64	7.00	6.84	7.41	8.36	8.30	9.22
24	9.06	8.59	8.30	8.13	8.05	7.61	6.96	6.84	7.45	8.36	8.31	9.25
25	9.00	8.56	8.28	8.13	8.05	7.52	6.90	6.77	7.48	8.34	8.34	9.26
26	8.95	8.56	8.28	8.11	8.06	7.58	6.93	6.75	7.51	8.32	8.33	9.26
27	8.91	8.56	8.27	8.10	8.05	7.72	6.95	6.71	7.53	8.37	8.34	9.27
28	8.88	8.56	8.26	8.06	8.05	7.74	7.11	6.70	7.54	8.40	8.34	9.27
29	8.87	8.56	8.25	8.04	------	7.72	7.07	6.71	7.55	8.39	8.35	9.27
30	8.86	8.55	8.24	8.06	------	7.72	7.08	6.84	7.59	8.39	8.38	9.27
31	8.85	------	8.23	8.06	------	7.69	------	6.95	------	8.41	8.40	------
MEAN	9.08	8.67	8.36	8.16	8.04	7.78	7.29	6.93	7.14	8.09	8.40	8.89
MAX	9.26	8.83	8.54	8.27	8.08	8.05	7.66	7.18	7.59	8.41	8.64	9.27
MIN	8.85	8.55	8.23	8.04	7.95	7.52	6.90	6.70	6.77	7.62	8.26	8.31

CAL YR 1972 MEAN 8.47 MAX 9.26 MIN 7.51
WTR YR 1973 MEAN 8.07 MAX 9.27 MIN 6.70

02289030 Levee 3 Canal near Clewiston, Fla.

LOCATION.--Lat 26°25'50", long 80°56'50", in NW quarter sec.4, T.47 S., R.34 E., Hendry County, near center of span on upstream side of bridge on private road, 100 ft (30 m) upstream from Deerfence Canal, 2 mi (3 km) east of State Highway 846, and 22 mi (35 km) south of Clewistown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum daily discharge, 1,520 cfs (43.0 cu m/s) Aug. 4; maximum gage height, 18.72 ft (5.706 m) Aug. 4; no flow for many days; minimum gage height, 10.42 ft (3.176 m) May 9.
Period of record: Maximum daily discharge, 1,520 cfs (43.0 cu m/s) Aug. 4, 1973; maximum gage height, 18.72 ft (5.706 m) Aug. 4, 1973; no flow for some days each year; minimum gage height, 9.87 ft (3.008 m) May 14, 1972.

REMARKS.--Record poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											576	704
2											1,260	718
3											1,510	734
4											1,520	744
5											1,510	711
6											1,500	702
7											1,420	707
8											1,330	711
9											1,250	677
10											1,180	624
11											1,110	596
12											1,030	549
13											954	499
14											886	476
15											832	460
16											775	423
17											722	376
18											693	329
19											680	296
20											646	265
21											609	278
22											606	289
23											627	322
24											623	379
25											620	400
26											622	417
27											641	432
28											665	447
29					------						693	466
30					------						693	478
31		------			------		------		------		689	------
TOTAL	0	0	0	0	0	0	0	0	0	0	28,475	15,209
MEAN	0	0	0	0	0	0	0	0	0	0	919	507
MAX	0	0	0	0	0	0	0	0	0	0	1,520	744
MIN	0	0	0	0	0	0	0	0	0	0	576	265
AC-FT	0	0	0	0	0	0	0	0	0	0	56,480	30,170

CAL YR 1972 TOTAL 5,004.90 MEAN 13.7 MAX 506 MIN 0 AC-FT 9,930
WTR YR 1973 TOTAL 43,684.00 MEAN 120 MAX 1,520 MIN 0 AC-FT 86,650

02289030 Levee 3 Canal near Clewiston, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.03	11.95	12.15	11.72	12.00	11.92	11.26	10.62	10.49	13.20	18.45	16.13
2	12.97	11.91	12.15	11.71	11.92	11.89	11.27	10.60	10.49	13.31	18.55	16.17
3	12.91	11.86	12.12	11.72	11.94	11.82	11.26	10.59	10.49	13.38	18.66	16.22
4	13.08	11.81	12.08	11.69	11.99	11.77	11.27	10.58	10.48	13.47	18.72	16.25
5	13.49	11.78	12.08	11.67	12.02	11.72	11.27	10.57	10.48	13.53	18.68	16.14
6	13.57	11.75	12.05	11.64	12.03	11.67	11.23	10.54	10.47	13.67	18.63	16.11
7	13.54	11.73	12.03	11.63	12.03	11.58	11.24	10.49	10.51	13.69	18.39	16.13
8	13.41	11.70	12.00	11.64	12.03	11.57	11.24	10.46	10.59	13.67	18.12	16.13
9	13.28	11.69	11.95	11.60	12.08	11.52	11.20	10.46	10.60	13.68	17.86	16.03
10	13.18	11.66	11.92	11.59	11.98	11.57	11.16	10.62	10.63	13.68	17.64	15.86
11	13.06	11.62	11.88	11.70	11.92	11.57	11.10	10.64	10.65	13.82	17.42	15.78
12	12.99	11.60	11.85	11.87	11.91	11.52	10.94	10.62	10.67	14.07	17.19	15.63
13	12.93	11.60	11.82	11.96	11.90	11.48	10.87	10.61	10.67	14.31	16.95	15.47
14	12.86	11.68	11.82	11.99	11.90	11.47	10.86	10.65	10.68	14.56	16.74	15.40
15	12.76	11.83	11.77	12.00	11.81	11.45	10.87	10.66	10.69	14.81	16.57	15.35
16	12.69	11.88	11.65	12.01	11.78	11.40	10.85	10.71	10.74	15.07	16.39	15.23
17	12.61	11.89	11.58	12.00	11.74	11.32	10.82	10.69	10.80	15.25	16.23	15.08
18	12.44	11.88	11.62	12.00	11.74	11.27	10.82	10.69	10.89	15.44	16.14	14.94
19	12.33	11.89	11.61	11.98	11.77	11.25	10.79	10.69	11.06	15.60	16.09	14.83
20	12.28	11.91	11.54	11.96	11.78	11.25	10.77	10.67	11.19	15.78	15.99	14.74
21	12.25	11.96	11.57	12.00	11.76	11.24	10.77	10.66	11.44	15.97	15.87	14.77
22	12.23	11.99	11.58	11.98	11.76	11.18	10.75	10.66	11.73	16.16	15.86	14.81
23	12.21	12.01	11.62	11.93	11.74	11.13	10.73	10.64	12.12	16.37	15.92	14.91
24	12.19	12.02	11.67	11.95	11.74	11.10	10.71	10.62	12.41	16.56	15.91	15.08
25	12.17	12.06	11.72	11.98	11.77	11.15	10.69	10.62	12.66	16.77	15.89	15.14
26	12.13	12.05	11.74	12.01	11.75	11.23	10.67	10.62	12.93	16.95	15.90	15.19
27	12.13	12.12	11.74	11.98	11.72	11.22	10.73	10.59	13.05	17.16	15.95	15.23
28	12.07	12.17	11.73	11.99	11.75	11.25	10.72	10.56	13.06	17.45	16.02	15.27
29	12.05	12.21	11.74	11.96	------	11.28	10.69	10.54	13.07	17.73	16.10	15.33
30	12.04	12.22	11.76	11.95	------	11.30	10.65	10.52	13.07	18.04	16.10	15.36
31	12.08	------	11.73	11.95	------	11.30	------	10.49	------	18.26	16.09	------
MEAN	12.68	11.88	11.82	11.86	11.87	11.43	10.94	10.60	11.29	15.21	16.94	15.49
MAX	13.57	12.22	12.15	12.01	12.08	11.92	11.27	10.71	13.07	18.26	18.72	16.25
MIN	12.04	11.60	11.54	11.59	11.72	11.10	10.65	10.46	10.47	13.20	15.86	14.74

CAL YR 1972 MEAN 12.60 MAX 15.76 MIN 10.94
WTR YR 1973 MEAN 12.68 MAX 18.72 MIN 10.46

02289037 Levee 28 Tieback Canal, near Andytown, Fla.

LOCATION.--Lat 26°00'20", long 80°52'30", in NW quarter sec.30, T.51 S., R.35 E., Broward County, near right bank at beginning of canal at Collier County line, 2.0 mi (3.2 km) north of Dade County line, and 28.5 mi (45.9 km) southwest of Andytown.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at about 9.0 ft (2.743 m) below mean sea level.

EXTREMES.--Maximum gage height, 20.71 ft (6.312 m) Aug. 7; minimum, 16.89 ft (5.148 m) May 29.
Period of record: Maximum gage height, 21.26 ft (6.480 m) Sept. 15, 16, 1971; minimum, 15.99 ft (4.874 m) May 7, 1971.

REMARKS.--Gage records water levels in the western edge of Conservation Area 3-A.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.96	19.27	19.52	19.37	19.30	19.04	19.27	17.95	17.76	19.32	20.30	20.49
2	19.99	19.24	19.50	19.36	19.33	19.02	19.24	17.89	17.74	19.38	20.34	20.64
3	20.02	19.21	19.53	19.35	19.34	19.00	19.24	17.83	17.68	19.40	20.32	20.60
4	20.06	19.17	19.54	19.34	19.33	18.98	19.21	17.79	17.63	19.44	20.31	20.58
5	20.06	19.14	19.54	19.33	19.32	18.95	19.17	17.75	17.57	19.47	20.31	20.55
6	20.03	19.11	19.53	19.32	19.32	18.93	19.15	17.70	17.50	19.47	20.44	20.52
7	19.99	19.07	19.51	19.30	19.31	18.90	19.14	17.65	17.46	19.51	20.69	20.50
8	19.95	19.05	19.51	19.29	19.30	18.88	19.11	17.59	17.56	19.67	20.64	20.48
9	19.91	19.02	19.49	19.27	19.30	19.06	19.09	17.51	17.55	19.79	20.60	20.43
10	19.87	18.99	19.48	19.25	19.25	19.22	19.05	17.47	17.52	19.85	20.57	20.42
11	19.85	18.95	19.47	19.38	19.22	19.24	19.01	17.42	17.47	20.03	20.57	20.39
12	19.82	18.92	19.46	19.43	19.21	19.23	18.97	17.36	17.41	20.19	20.53	20.37
13	19.88	18.89	19.44	19.42	19.21	19.22	18.92	17.31	17.34	20.16	20.50	20.35
14	19.85	19.20	19.44	19.41	19.20	19.21	18.88	17.41	17.27	20.18	20.45	20.36
15	19.80	19.50	19.42	19.40	19.19	19.19	18.84	17.50	17.22	20.23	20.44	20.36
16	19.75	19.65	19.37	19.39	19.17	19.16	18.79	17.58	17.32	20.19	20.41	20.38
17	19.71	19.63	19.34	19.39	19.14	19.16	18.74	17.57	18.30	20.16	20.37	20.37
18	19.69	19.61	19.35	19.38	19.13	19.15	18.70	17.51	18.70	20.15	20.35	20.34
19	19.66	19.60	19.35	19.37	19.15	19.13	18.65	17.45	18.79	20.15	20.36	20.31
20	19.65	19.55	19.34	19.36	19.15	19.11	18.60	17.39	18.97	20.14	20.33	20.29
21	19.62	19.54	19.37	19.37	19.13	19.14	18.54	17.32	19.16	20.12	20.43	20.31
22	19.60	19.53	19.46	19.36	19.11	19.14	18.49	17.25	19.21	20.14	20.57	20.34
23	19.56	19.52	19.46	19.35	19.09	19.12	18.42	17.19	19.26	20.23	20.52	20.44
24	19.53	19.51	19.44	19.33	19.09	19.10	18.36	17.19	19.35	20.24	20.53	20.45
25	19.50	19.49	19.43	19.33	19.09	19.08	18.30	17.15	19.34	20.22	20.54	20.49
26	19.48	19.55	19.42	19.32	19.10	19.25	18.25	17.10	19.30	20.22	20.51	20.49
27	19.45	19.57	19.40	19.31	19.08	19.33	18.21	17.05	19.29	20.44	20.50	20.46
28	19.42	19.56	19.39	19.30	19.06	19.32	18.14	16.99	19.29	20.40	20.45	20.43
29	19.38	19.55	19.39	19.31	------	19.31	18.07	16.98	19.27	20.37	20.41	20.40
30	19.35	19.55	19.38	19.30	------	19.30	18.01	17.54	19.26	20.33	20.38	20.38
31	19.31	------	19.37	19.30	------	19.29	------	17.73	------	20.29	20.39	------
MEAN	19.73	19.34	19.44	19.34	19.20	19.13	18.75	17.46	18.25	20.00	20.45	20.43
MAX	20.06	19.65	19.54	19.43	19.34	19.33	19.27	17.95	19.35	20.44	20.69	20.64
MIN	19.31	18.89	19.34	19.25	19.06	18.88	18.01	16.98	17.22	19.32	20.30	20.29

CAL YR 1972 MEAN 19.54 MAX 20.19 MIN 18.75
WTR YR 1973 MEAN 19.30 MAX 20.69 MIN 16.98

02289040 Tamiami Canal outlets, levee 67A to 40-mile bend, near Miami, Fla.

LOCATION.--Lat 25°45'42", long 80°43'34", in N half sec.22, T.54 S., R.36 E., Dade County, on south bank of levee 29 borrow canal, 100 ft (30 m) northwest of control structure 12-C and 33 mi (53 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only). October 1963 to current year. Gage heights published since April 1963.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

AVERAGE DISCHARGE.--33 years, 363 cfs (10.28 cu m/s), 262,800 acre-ft/yr (324 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 1,290 cfs (36.5 cu m/s) Oct. 26; maximum gage height, 9.95 ft (3.033 m) Sept. 26; minimum daily discharge, 13 cfs (0.37 cu m/s) May 13; minimum gage height, 6.61 ft (2.015 m) May 27.
Period of record: Maximum daily discharge, 4,810 cfs (136 cu m/s) Aug. 10, 11, 1968; maximum gage height, 10.52 ft (3.206 m) Oct. 26, 1968; no flow for some days most years; minimum gage height, 5.34 ft (1.628 m) May 21, 1963.

REMARKS.--Records good. Discharge is the total discharge through the S-12 structure A, B, C, and D from Conservation Area 3-A. Prior to October 1963 discharge was the total discharge southward through 12 bridges from bridge 40 to 29 and was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890.).

COOPERATION.--Gate-opening records for S-12 complex furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	1,130	695	574	316	164	66	26	122	38	132	310
2	585	1,090	663	552	305	152	72	22	141	41	136	332
3	666	1,050	642	536	316	145	63	19	133	44	143	354
4	703	1,020	629	513	310	136	59	20	123	48	148	365
5	721	981	616	491	310	129	66	31	118	51	151	404
6	860	953	612	502	305	122	65	32	114	97	255	442
7	1,000	926	608	506	299	115	58	32	112	193	404	459
8	970	898	586	506	277	109	52	29	134	206	426	459
9	926	860	572	521	271	102	53	23	150	206	470	475
10	915	841	559	532	271	98	56	27	155	233	486	486
11	871	832	551	595	282	94	54	26	147	277	497	492
12	871	814	543	675	282	88	47	25	134	294	497	492
13	851	882	530	634	288	83	45	13	119	316	302	644
14	832	882	519	584	124	77	42	14	116	320	146	842
15	823	861	508	559	64	73	43	25	115	320	145	851
16	805	843	491	534	86	66	41	32	123	319	142	842
17	823	825	491	509	108	66	36	33	144	330	139	832
18	795	817	497	489	135	69	33	33	147	329	139	814
19	832	818	480	459	186	66	31	32	149	334	138	805
20	882	791	475	434	186	61	33	28	156	339	138	795
21	860	773	499	404	182	57	31	31	165	339	145	814
22	841	746	513	369	175	65	26	31	163	338	162	915
23	814	737	565	350	171	63	22	29	166	327	165	926
24	795	746	618	342	171	60	19	30	171	305	182	970
25	970	737	667	318	171	55	17	27	112	160	210	992
26	1,290	720	708	288	175	62	20	27	35	102	199	1,010
27	1,260	730	758	298	175	76	19	25	33	113	208	992
28	1,220	730	712	291	173	80	30	25	32	122	212	981
29	1,200	721	675	300	------	77	28	29	33	122	217	970
30	1,190	708	630	321	------	77	28	41	35	122	261	959
31	1,160	------	603	321	------	74	------	46	------	126	255	------
TOTAL	27,867	25,462	18,215	14,307	6,114	2,761	1,255	863	3,597	6,511	7,250	21,024
MEAN	899	849	588	462	218	89.1	41.8	27.8	120	210	234	701
MAX	1,290	1,130	758	675	316	164	72	46	171	339	497	1,010
MIN	536	708	475	288	64	55	17	13	32	38	132	310
AC-FT	55,270	50,500	36,130	28,380	12,130	5,480	2,490	1,710	7,130	12,910	14,380	41,700

CAL YR 1972 TOTAL 157,575.0 MEAN 431 MAX 1,550 MIN 6.0 AC-FT 312,600
WTR YR 1973 TOTAL 135,226.0 MEAN 370 MAX 1,290 MIN 13 AC-FT 268,200

02289040 Tamiami Canal outlets, levee 67A to 40-mile bend, near Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.52	8.90	8.60	8.28	8.09	8.11	7.67	7.10	6.99	7.69	8.60	9.62
2	9.49	8.90	8.58	8.28	8.09	8.08	7.71	7.05	6.94	7.71	8.64	9.67
3	9.48	8.89	8.58	8.28	8.11	8.09	7.64	7.02	6.93	7.75	8.65	9.72
4	9.51	8.87	8.55	8.27	8.11	8.08	7.59	7.03	6.88	7.79	8.67	9.74
5	9.53	8.84	8.54	8.25	8.10	8.04	7.67	7.20	6.86	7.82	8.68	9.73
6	9.51	8.82	8.53	8.24	8.09	8.02	7.67	7.21	6.85	7.82	8.70	9.74
7	9.47	8.81	8.52	8.22	8.08	8.00	7.58	7.21	6.84	7.83	8.72	9.77
8	9.41	8.81	8.51	8.18	8.05	7.98	7.52	7.17	7.00	7.84	8.75	9.77
9	9.38	8.80	8.48	8.20	8.02	7.95	7.54	7.09	7.10	7.86	8.84	9.78
10	9.37	8.77	8.46	8.19	8.01	7.95	7.55	7.15	7.14	7.91	8.87	9.80
11	9.36	8.75	8.46	8.29	8.05	7.91	7.55	7.15	7.12	7.99	8.89	9.83
12	9.34	8.75	8.43	8.33	8.05	7.90	7.47	6.92	7.04	8.02	8.91	9.83
13	9.34	8.74	8.41	8.31	8.05	7.89	7.43	6.78	6.93	8.05	8.93	9.82
14	9.30	8.75	8.41	8.29	8.06	7.84	7.40	6.73	6.92	8.11	8.95	9.83
15	9.27	8.82	8.40	8.28	8.09	7.81	7.41	6.90	6.94	8.13	8.98	9.81
16	9.27	8.84	8.41	8.26	8.12	7.76	7.34	6.96	7.08	8.15	8.98	9.81
17	9.29	8.80	8.39	8.25	8.12	7.76	7.31	6.95	7.17	8.19	8.99	9.79
18	9.26	8.78	8.36	8.25	8.12	7.77	7.25	6.94	7.24	8.24	9.00	9.78
19	9.24	8.75	8.33	8.25	8.14	7.72	7.23	6.93	7.27	8.27	9.01	9.76
20	9.23	8.72	8.32	8.24	8.13	7.66	7.24	6.86	7.32	8.34	9.03	9.75
21	9.22	8.73	8.29	8.21	8.14	7.62	7.20	6.88	7.43	8.36	9.10	9.76
22	9.20	8.73	8.34	8.18	8.14	7.70	7.12	6.87	7.46	8.39	9.20	9.81
23	9.17	8.70	8.39	8.19	8.11	7.69	7.07	6.85	7.48	8.41	9.24	9.87
24	9.15	8.68	8.37	8.19	8.11	7.65	7.02	6.85	7.53	8.40	9.28	9.91
25	9.09	8.66	8.35	8.19	8.11	7.57	6.98	6.80	7.56	8.40	9.39	9.94
26	9.03	8.63	8.33	8.15	8.10	7.64	7.01	6.80	7.59	8.41	9.40	9.95
27	8.99	8.64	8.32	8.15	8.12	7.79	6.99	6.76	7.60	8.49	9.42	9.94
28	8.96	8.63	8.32	8.11	8.13	7.78	7.14	6.75	7.60	8.55	9.46	9.94
29	8.93	8.62	8.31	8.11	------	7.77	7.12	6.78	7.61	8.54	9.47	9.92
30	8.92	8.61	8.30	8.11	------	7.77	7.13	6.91	7.65	8.54	9.52	9.91
31	8.90	------	8.29	8.08	------	7.73	------	7.01	------	8.56	9.59	------
MEAN	9.26	8.76	8.42	8.22	8.09	7.84	7.35	6.96	7.20	8.15	9.03	9.81
MAX	9.53	8.90	8.60	8.33	8.14	8.11	7.71	7.21	7.65	8.56	9.59	9.95
MIN	8.90	8.61	8.29	8.08	8.01	7.57	6.98	6.73	6.84	7.69	8.60	9.62

CAL YR 1972 MEAN 8.77 MAX 9.85 MIN 7.56
WTR YR 1973 MEAN 8.26 MAX 9.95 MIN 6.73

02289041 Tamiami Canal below S-12-C, near Miami, Fla.

LOCATION.--Lat 25°45'40", long 80°43'34", in N half sec.22, T.54 S., R.36 E., Dade County, on west bank of spillway, 100 ft (30 m) southwest of control structure 12-C, and 33 mi (53 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1963 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 9.38 ft (2.859 m) Oct. 6; minimum, 6.56 ft (1.999 m) May 27.
Period of record: Maximum gage height, 10.36 ft (3.158 m) Nov. 5-8, 10, 1969; minimum, 5.37 ft (1.637 m) May 21, 1963.

REMARKS.--Station is one of several located below the control structures in levee 29 at Tamiami Canal. Gage record is primarily used to determine discharge through control structure 12-C.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.54	8.82	8.54	8.22	8.04	8.04	7.60	7.07	6.93	7.62	7.66	8.02
2	8.71	8.80	8.52	8.21	8.03	8.01	7.66	7.01	6.87	7.64	7.66	8.01
3	8.87	8.78	8.51	8.20	8.05	8.00	7.58	6.98	6.85	7.69	7.68	8.03
4	8.88	8.76	8.48	8.19	8.05	7.98	7.53	6.99	6.80	7.74	7.68	8.02
5	8.89	8.74	8.47	8.18	8.04	7.96	7.61	7.15	6.78	7.77	7.67	8.19
6	9.09	8.72	8.46	8.18	8.02	7.94	7.59	7.17	6.76	7.77	7.81	8.36
7	9.35	8.72	8.46	8.16	8.01	7.92	7.50	7.17	6.77	7.77	8.16	8.38
8	9.32	8.73	8.45	8.14	7.97	7.90	7.45	7.15	6.93	7.79	8.21	8.39
9	9.30	8.73	8.43	8.14	7.95	7.88	7.48	7.07	7.04	7.81	8.25	8.37
10	9.27	8.72	8.41	8.14	7.94	7.88	7.50	7.12	7.08	7.86	8.27	8.39
11	9.26	8.70	8.40	8.23	7.96	7.85	7.47	7.12	7.06	7.94	8.27	8.39
12	9.24	8.69	8.38	8.27	7.97	7.83	7.40	6.90	6.98	7.98	8.29	8.39
13	9.24	8.67	8.37	8.25	7.97	7.82	7.38	6.75	6.87	8.00	8.22	8.47
14	9.22	8.67	8.36	8.23	7.98	7.77	7.35	6.70	6.86	8.05	7.94	8.68
15	9.19	8.76	8.34	8.22	8.02	7.74	7.34	6.87	6.88	8.09	7.94	8.70
16	9.19	8.76	8.35	8.21	8.05	7.69	7.26	6.95	7.04	8.11	7.93	8.70
17	9.20	8.74	8.33	8.21	8.06	7.68	7.23	6.94	7.13	8.16	7.93	8.70
18	9.18	8.72	8.30	8.19	8.07	7.69	7.18	6.93	7.17	8.19	7.93	8.71
19	9.16	8.70	8.29	8.18	8.08	7.66	7.15	6.92	7.21	8.23	7.92	8.72
20	9.16	8.68	8.27	8.17	8.09	7.59	7.15	6.86	7.26	8.27	7.92	8.73
21	9.14	8.67	8.23	8.15	8.09	7.56	7.12	6.88	7.37	8.31	7.94	8.75
22	9.12	8.65	8.29	8.12	8.07	7.65	7.04	6.87	7.40	8.34	7.95	8.83
23	9.10	8.64	8.32	8.13	8.06	7.64	6.98	6.85	7.42	8.35	7.94	8.86
24	9.08	8.62	8.31	8.15	8.05	7.59	6.92	6.85	7.47	8.35	7.96	8.84
25	9.02	8.59	8.29	8.14	8.05	7.52	6.89	6.78	7.50	8.10	7.98	8.86
26	8.95	8.59	8.28	8.12	8.05	7.59	6.90	6.76	7.53	7.66	7.98	8.87
27	8.92	8.59	8.28	8.10	8.06	7.72	6.93	6.73	7.55	7.66	7.98	8.87
28	8.90	8.58	8.26	8.06	8.06	7.74	7.08	6.71	7.56	7.67	7.99	8.88
29	8.88	8.57	8.25	8.05	------	7.71	7.07	6.74	7.57	7.65	7.99	8.87
30	8.87	8.55	8.24	8.05	------	7.70	7.08	6.85	7.60	7.64	8.02	8.88
31	8.84	------	8.23	8.04	------	7.68	------	6.93	------	7.65	8.04	------
MEAN	9.07	8.69	8.36	8.16	8.03	7.77	7.28	6.93	7.14	7.93	7.97	8.56
MAX	9.35	8.82	8.54	8.27	8.09	8.04	7.66	7.17	7.60	8.35	8.29	8.88
MIN	8.54	8.55	8.23	8.04	7.94	7.52	6.89	6.70	6.76	7.62	7.66	8.01

CAL YR 1972 MEAN 8.22 MAX 9.35 MIN 6.55
WTR YR 1973 MEAN 7.99 MAX 9.35 MIN 6.70

02289060 Tamiami Canal outlets, levee 30 to levee 67A, near Miami, Fla.

LOCATION.--Lat 25°45'40", long 80°33'40", in SE quarter sec.6, T.54 S., R.38 E., Dade County, on south bank, 50 ft (15 m) west of bridge 53 on U. S. Highway 41 and 22.8 mi (36.7 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1939 to September 1963 (monthly discharge only). October 1963 to current year. Gage heights published since October 1962. Prior to October 1963, published as Tamiami Canal at bridge 45, near Miami (auxiliary).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Aug. 27, 1942, nonrecording gage at datum 0.80 ft (0.244 m) lower; Aug. 27, 1942, to Feb. 21, 1952, nonrecording gage at present datum; and Feb. 21, 1952, to Aug. 7, 1969, water stage recorder at same datum all at site 4 mi (6 km) to the west.

AVERAGE DISCHARGE.--33 years, 259 cfs (7.335 cu m/s), 187,500 acre-ft/yr (231 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 180 cfs (5.098 cu m/s) Sept. 7; maximum gage height, 6.99 ft (2.131 m) Oct. 5, 6; no flow for many days; minimum gage height, 3.41 ft (1.039 m) June 7.

Period of record: Maximum daily discharge, 460 cfs (13.0 cu m/s) Oct. 18, 1968; maximum gage height, 9.76 ft (2.975 m) Nov. 1, 1960; maximum daily reverse flow, 7.0 cfs (0.20 cu m/s) estimated May 11, 12, 1964; minimum gage height, 1.66 ft (0.506 m) May 13, 14, 1971.

REMARKS.--Records fair. Figures of daily discharge consist entirely of seepage through levee 28 from Conservation Area 3B as represented by flow through all the outlets of Tamiami Canal from levee 30 to levee 67A. Prior to October 1963, daily discharge for this portion of the Canal was published as part of the total daily discharge of station, Tamiami Canal outlets, Miami to Monroe (station 2-2890.).

WATER TEMPERATURE (°C).--Nov. 16 (1230) 28.5°; Nov. 29 (0945) 24.5°; Dec. 13 (1050) 26.5°; Dec. 27 (1300) 18.5°; Jan. 12 (0830) 22.5°; Jan. 30 (1110) 19.5°; Feb. 15 (1000) 18.5°; Mar. 13 (1230) 19.0°; Mar. 29 (1112) 26.0°; May 11 (0930) 27.5°; May 30 (0710) 29.5°; June 13 (0920) 29.0°; June 28 (0915) 27.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	60	28	29	12	16	3.5		0	3.7	49	152
2	105	62	25	28	14	16	3.9		0	5.9	49	155
3	101	60	26	27	17	15	3.9		0	14	53	159
4	108	59	26	27	16	15	3.8		0	21	53	158
5	117	57	25	26	15	14	3.7		0	22	53	156
6	108	60	25	26	15	14	3.3		0	30	52	153
7	108	64	24	24	16	14	3.6		0	24	50	180
8	98	66	23	24	15	13	3.4		0	18	57	177
9	94	65	22	23	15	13	3.3		0	17	65	172
10	87	67	22	22	16	13	3.0		0	16	71	173
11	83	66	22	37	14	12	2.2		0	30	70	171
12	80	65	20	44	13	12	1.8		0	33	68	162
13	76	63	20	41	13	11	1.4		0	29	67	156
14	73	74	22	37	12	9.4	.35		0	41	60	153
15	68	90	23	35	19	8.0	0		0	47	54	148
16	65	93	24	31	18	6.9	0		0	42	53	143
17	65	85	21	29	17	7.1	0		0	42	49	139
18	63	78	21	28	15	6.3	0		0	42	51	131
19	65	70	22	28	17	5.3	0		0	43	57	128
20	65	67	22	26	16	4.3	0		0	41	62	137
21	71	61	24	25	16	5.6	0		0	42	68	149
22	65	57	35	23	15	5.2	0		0	47	77	147
23	68	49	37	22	14	4.0	0		0	45	77	160
24	65	45	35	20	13	3.2	0		0	42	89	168
25	65	42	35	18	14	2.7	0		0	40	99	174
26	63	40	35	16	19	4.5	0		4.0	37	98	162
27	60	35	35	16	17	4.3	2.7		2.7	40	99	156
28	63	32	33	14	17	3.4	2.2		4.2	41	97	155
29	63	30	32	14	------	2.8	.34		2.9	43	101	151
30	65	29	30	11	------	2.9	0		2.9	47	113	143
31	62	------	29	11	------	3.3	------		------	51	133	------
TOTAL	2,451	1,791	823	782	430	267.2	46.39	0	16.7	1,036.6	2,194	4,668
MEAN	79.1	59.7	26.5	25.2	15.4	8.62	1.55	0	.56	33.4	70.8	156
MAX	117	93	37	44	19	16	3.9	0	4.2	51	133	180
MIN	60	29	20	11	12	2.7	0	0	0	3.7	49	128
AC-FT	4,860	3,550	1,630	1,550	853	530	92	0	33	2,060	4,350	9,260

CAL YR 1972 TOTAL 18,570.10 MEAN 50.7 MAX 177 MIN 1.3 AC-FT 36,830
WTR YR 1973 TOTAL 14,505.89 MEAN 39.7 MAX 180 MIN 0 AC-FT 28,770

02289060 Tamiami Canal outlets, levee 30 to levee 67A, near Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.97	6.84	6.80	6.67	6.61	6.52	6.11	5.40	3.65	5.89	6.55	6.84
2	6.95	6.84	6.79	6.67	6.62	6.51	6.09	5.33	3.60	5.94	6.55	6.86
3	6.95	6.83	6.78	6.66	6.65	6.50	6.06	5.26	3.55	6.11	6.56	6.87
4	6.97	6.83	6.78	6.66	6.63	6.49	6.02	5.19	3.52	6.20	6.57	6.87
5	6.99	6.82	6.77	6.65	6.62	6.47	5.98	5.12	3.49	6.22	6.57	6.86
6	6.98	6.82	6.77	6.65	6.61	6.46	5.94	5.04	3.46	6.32	6.56	6.87
7	6.98	6.84	6.76	6.64	6.61	6.45	5.91	4.97	3.71	6.29	6.55	6.92
8	6.96	6.84	6.76	6.63	6.60	6.43	5.87	4.89	4.64	6.27	6.58	6.91
9	6.95	6.84	6.75	6.62	6.59	6.42	5.83	4.83	4.51	6.28	6.61	6.90
10	6.94	6.84	6.74	6.62	6.60	6.42	5.78	4.77	4.37	6.29	6.63	6.91
11	6.93	6.83	6.74	6.71	6.57	6.40	5.72	4.69	4.24	6.41	6.63	6.91
12	6.92	6.83	6.73	6.75	6.55	6.39	5.66	4.62	4.12	6.46	6.62	6.90
13	6.92	6.82	6.72	6.74	6.55	6.36	5.61	4.56	4.00	6.45	6.62	6.89
14	6.91	6.85	6.73	6.73	6.54	6.35	5.55	4.49	3.92	6.51	6.61	6.88
15	6.90	6.90	6.72	6.71	6.59	6.33	5.49	4.44	4.09	6.55	6.60	6.87
16	6.89	6.91	6.72	6.71	6.59	6.31	5.46	4.40	4.68	6.52	6.59	6.86
17	6.89	6.90	6.70	6.70	6.57	6.31	5.41	4.34	4.68	6.52	6.58	6.85
18	6.88	6.88	6.69	6.69	6.55	6.29	5.35	4.28	4.76	6.53	6.59	6.84
19	6.88	6.88	6.69	6.70	6.57	6.26	5.30	4.23	4.96	6.53	6.60	6.84
20	6.88	6.88	6.68	6.69	6.56	6.23	5.24	4.18	4.93	6.52	6.62	6.85
21	6.90	6.87	6.68	6.68	6.55	6.28	5.18	4.12	5.35	6.53	6.64	6.88
22	6.88	6.86	6.74	6.68	6.54	6.27	5.13	4.07	5.48	6.54	6.67	6.88
23	6.88	6.85	6.75	6.67	6.53	6.23	5.08	4.03	5.52	6.53	6.67	6.90
24	6.87	6.84	6.74	6.66	6.52	6.20	5.02	3.99	5.49	6.52	6.71	6.92
25	6.87	6.83	6.73	6.64	6.52	6.18	4.97	3.95	5.56	6.50	6.73	6.93
26	6.86	6.83	6.72	6.64	6.56	6.24	4.92	3.91	5.83	6.49	6.73	6.92
27	6.85	6.82	6.70	6.64	6.55	6.24	5.60	3.87	5.79	6.51	6.72	6.91
28	6.85	6.82	6.70	6.63	6.54	6.21	5.68	3.83	5.81	6.51	6.72	6.90
29	6.85	6.82	6.69	6.63	------	6.18	5.58	3.78	5.82	6.52	6.73	6.89
30	6.86	6.81	6.68	6.61	------	6.16	5.49	3.74	5.83	6.54	6.76	6.88
31	6.85	------	6.68	6.60	------	6.13	------	3.69	------	6.56	6.81	------
MEAN	6.91	6.85	6.73	6.67	6.57	6.33	5.57	4.45	4.65	6.41	6.63	6.88
MAX	6.99	6.91	6.80	6.75	6.65	6.52	6.11	5.40	5.83	6.56	6.81	6.93
MIN	6.85	6.81	6.68	6.60	6.52	6.13	4.92	3.69	3.46	5.89	6.55	6.84

CAL YR 1972 MEAN 6.67 MAX 7.04 MIN 5.85
WTR YR 1973 MEAN 6.22 MAX 6.99 MIN 3.46

02289090 Tamiami Canal west of levee 30, near Miami, Fla.

LOCATION.--Lat 25°45'40", long 80°29'50", in SE quarter sec.2, T.54 S., R.38 E., Dade County, on south bank, 75 ft (23 m) west of levee 30 on U.S. Highway 41 and 18 mi (29.0 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1954 to September 1958 (weekly) and October 1958 to current year (twice monthly), gage heights only. Published since October 1962.

GAGE.--Nonrecording gage read twice monthly. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height observed, 6.99 ft (2.131 m) Sept. 13; minimum observed, 3.50 ft (1.067 m) June 13.
Period of record: Maximum gage height observed, 10.02 ft (3.054 m) Oct. 17, 1960; minimum observed, 2.72 ft (0.829 m) Apr. 27, 1962.

REMARKS.--Station is one of several located at various points along Tamiami Canal and is primarily for water-level observation.

WATER TEMPERATURE (°C).--Nov. 16 (1230) 28.5°; Nov. 29 (0747) 22.0°; Dec. 27 (1301) 20.0°; Jan. 12 (0753) 21.5°; Jan. 30 (1131) 19.0°; Mar. 13 (1235) 23.0°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

Oct. 16	6.90	Feb. 15	6.41	June 13	3.50
30	6.86	27	6.31	28	5.75
Nov. 16	6.88	Mar. 13	5.90	July 13	6.30
29	6.78	29	5.05	30	6.52
Dec. 13	6.67	Apr. 13	4.82	Aug. 14	6.57
27	6.64	27	4.70	30	6.80
Jan. 12	6.43	May 11	4.02	Sept.13	6.99
30	6.48	30	3.52	27	6.98

02289250 Tamiami Canal east of levee 30, near Miami, Fla.

LOCATION.--Lat 25°45'40", long 80°29'40", in SW quarter sec.1, T.54 S., R.38 E., Dade County, on south bank, 1,000 ft (305 m) east of levee 30 on U.S. Highway 41 and 18 mi (29 km) west of Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1954 to September 1958 (weekly) and October 1958 to current year (twice monthly), gage heights only. Published since October 1962.

GAGE.--Nonrecording gage read twice monthly. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height observed, 6.88 ft (2.097 m) Sept. 27; minimum observed, 3.30 ft (1.006 m) May 30.
Period of record: Maximum gage height observed, 9.37 ft (2.856 m) Oct. 17, 1960; minimum observed, 2.57 ft (0.783 m) May 30, 1962.

REMARKS.--Station is one of several located at various points along Tamiami Canal and is primarily for water-level observations.

WATER TEMPERATURE (°C).--Nov. 16 (1235) 28.0°; Nov. 29 (0744) 24.5°; Dec. 27 (1305) 20.0°; Jan. 12 (0750) 22.0°; Jan. 30 (1132) 19.5°; Mar. 13 (1238) 23.5°.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

Oct. 16	6.66	Feb. 15	5.71	June 13	3.32
30	6.60	27	5.43	28	5.60
Nov. 16	6.68	Mar. 13	5.05	July 13	5.85
29	6.48	29	4.96	30	6.32
Dec. 13	6.25	Apr. 13	4.28	Aug. 14	6.38
27	6.20	27	4.63	30	6.75
Jan. 12	6.18	May 11	3.82	Sept. 13	6.66
30	5.90	30	3.30	27	6.88

02289500 Tamiami Canal near Coral Gables, Fla.

LOCATION.--Lat 25°45'43", long 80°19'42", in SW quarter sec.3, T.54 S., R.40 E., Dade County, on upstream side of footbridge, 25 ft (8 m) from south bank, half a mile upstream from Coral Gables Canal, 2.5 mi (4.0 km) west of Coral Gables, 3.5 mi (5.6 km) downstream from Snapper Creek Canal and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to June 1943, October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. January 1940 to June 1943, nonrecording gage at same site at datum 0.22 ft (0.067 m) lower.

AVERAGE DISCHARGE.--14 years, 139 cfs (3.936 cu m/s), 100,600 acre-ft/yr (124 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 266 cfs (7.53 cu m/s) Sept. 11; maximum gage height, 3.62 ft (1.103 m) July 10, 22 and Sept. 23; no flow for several days during the year; minimum gage height, 1.65 ft (0.503 m) June 7.
Period of record: Maximum daily discharge, 554 cfs (15.7 cu m/s) Sept. 23, 1960; maximum gage height, 6.00 ft (1.829 m) Sept. 10, 1960; maximum daily reverse flow, 16 cfs (0.45 cu m/s) June 4, 5, 1965; minimum gage height, 1.08 ft (0.329 m) May 31, 1962.

Maximum stage known, 8.49 ft (2.588 m) Oct. 12, 1947, present datum, from nonrecording gage reading.

REMARKS.--Records poor. The flow is slightly affected by tide and is regulated by control structure at Dade-Broward Levee 7.5 mi (12.1 km) upstream and at salinity-control structure 1.2 mi (1.9 km) downstream. The canal is blocked by levee 30, 10.5 mi (16.9 km) upstream. Flow is diverted to and from Snapper Creek Canal 3.5 mi (5.6 km) upstream. Records of chemical analyses for water year 1973 are published in Part 2 of this report.

COOPERATION.--Records of salinity-control structure operation furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE(°C).--Jan. 2 (1330) 23.5°; Feb. 1 (0840) 20.5°; Mar. 1 (1030) 17.5°; Mar. 12 (0930) 22.5°; Apr. 3 (0945) 23.5°; May 1 (1300) 25.0°; May 29 (1410) 30.5°; June 1 (0930) 29.5°; July 3 (1100) 28.0°; Aug. 2 (1300) 30.0°; Sept. 4 (1245) 29.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	99	79	63	63	67	33	26	0	144	128	244
2	90	96	77	63	64	62	33	25	0	140	122	239
3	88	95	75	63	71	60	32	24	0	140	138	220
4	98	92	79	64	68	58	31	24	0	138	136	219
5	107	89	77	66	66	58	30	25	0	136	133	224
6	110	83	75	64	65	58	28	25	0	142	131	220
7	103	203	71	62	62	56	23	20	0	144	132	257
8	96	132	69	62	61	55	22	18	0	141	140	249
9	89	122	69	62	60	54	20	16	0	138	146	239
10	84	114	71	62	62	52	20	16	0	142	154	244
11	77	104	74	93	60	50	18	14	0	152	142	266
12	76	103	75	188	59	50	18	11	0	147	136	208
13	75	99	75	98	64	47	17	8.3	0	143	138	155
14	75	107	76	96	65	44	13	7.1	0	147	135	168
15	73	214	89	95	81	41	17	10	0	141	140	169
16	70	207	104	93	80	39	15	11	0	129	142	167
17	71	101	94	89	74	40	14	10	0	121	130	167
18	71	99	88	85	72	39	14	7.0	0	116	128	169
19	71	96	83	81	75	36	12	4.0	3.7	130	141	158
20	77	93	81	77	75	31	13	3.1	10	154	236	158
21	89	91	79	72	75	35	13	.60	31	137	233	158
22	88	96	86	70	74	38	12	0	50	155	233	159
23	88	95	90	71	72	35	11	0	66	144	210	174
24	88	91	87	72	71	32	8.3	.50	73	126	208	214
25	88	89	83	71	70	27	5.7	2.6	80	110	243	205
26	92	89	79	68	72	34	4.7	2.1	108	111	230	200
27	96	89	76	69	72	44	24	8.7	115	120	215	194
28	96	86	70	68	69	43	32	9.1	127	119	209	155
29	106	83	69	68	------	41	30	6.4	140	123	205	161
30	116	80	67	65	------	37	29	4.6	148	145	215	157
31	106	------	64	63	------	36	------	0	------	154	240	------
TOTAL	2,743	3,237	2,431	2,383	1,922	1,399	592.7	339.10	951.7	4,229	5,269	5,917
MEAN	88.5	108	78.4	76.9	68.6	45.1	19.8	10.9	31.7	136	170	197
MAX	116	214	104	188	81	67	33	26	148	155	243	266
MIN	70	80	64	62	59	27	4.7	0	0	110	122	155
AC-FT	5,440	6,420	4,820	4,730	3,810	2,770	1,180	673	1,890	8,390	10,450	11,740

CAL YR 1972 TOTAL 38,024.00 MEAN 104 MAX 300 MIN 25 AC-FT 75,420
WTR YR 1973 TOTAL 31,413.50 MEAN 86.1 MAX 266 MIN 0 AC-FT 62,310

02289500 Tamiami Canal near Coral Gables, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.07	3.22	3.07	2.92	2.83	2.93	2.64	2.33	1.82	3.40	3.07	3.24
2	3.07	3.19	3.04	2.91	2.84	2.88	2.63	2.31	1.79	3.35	2.99	3.15
3	3.06	3.18	3.03	2.92	2.92	2.86	2.61	2.29	1.76	3.35	3.15	2.94
4	3.16	3.15	3.08	2.92	2.88	2.84	2.59	2.28	1.69	3.33	3.12	2.90
5	3.25	3.12	3.05	2.94	2.86	2.84	2.57	2.28	1.69	3.31	3.08	2.92
6	3.29	3.06	3.04	2.92	2.85	2.84	2.54	2.27	1.68	3.38	3.05	2.86
7	3.22	3.31	2.99	2.90	2.83	2.83	2.48	2.20	1.69	3.40	3.06	3.21
8	3.15	3.56	2.98	2.90	2.81	2.81	2.46	2.18	1.80	3.36	3.14	3.10
9	3.08	3.46	2.98	2.90	2.81	2.81	2.43	2.14	1.81	3.33	3.20	2.97
10	3.03	3.38	3.00	2.90	2.83	2.79	2.42	2.14	1.78	3.38	3.29	3.00
11	2.96	3.28	3.03	3.22	2.81	2.76	2.39	2.10	1.74	3.48	3.16	3.23
12	2.95	3.27	3.04	3.38	2.81	2.77	2.39	2.07	1.70	3.43	3.10	3.24
13	2.94	3.23	3.04	3.19	2.86	2.75	2.36	2.03	1.68	3.38	3.12	3.29
14	2.94	3.31	3.05	3.17	2.87	2.72	2.32	2.01	1.70	3.43	3.09	3.42
15	2.92	3.43	3.18	3.16	3.04	2.69	2.34	2.04	1.68	3.36	3.15	3.43
16	2.89	3.35	3.34	3.14	3.04	2.68	2.31	2.04	1.68	3.25	3.17	3.41
17	2.91	3.25	3.24	3.11	2.98	2.69	2.30	2.03	1.71	3.16	3.05	3.42
18	2.90	3.23	3.17	3.06	2.96	2.69	2.29	1.99	1.84	3.11	3.02	3.43
19	2.91	3.20	3.13	3.03	2.99	2.66	2.26	1.95	1.91	3.25	3.15	3.32
20	2.97	3.17	3.10	2.98	2.99	2.62	2.26	1.94	1.98	3.50	3.36	3.32
21	3.09	3.16	3.08	2.93	3.00	2.67	2.26	1.90	2.21	3.33	3.33	3.32
22	3.09	3.21	3.15	2.91	2.99	2.70	2.23	1.88	2.42	3.51	3.32	3.33
23	3.09	3.20	3.20	2.92	2.97	2.68	2.21	1.87	2.59	3.40	3.09	3.48
24	3.09	3.16	3.17	2.93	2.96	2.65	2.18	1.87	2.67	3.21	3.07	3.54
25	3.09	3.15	3.12	2.92	2.95	2.61	2.14	1.91	2.74	3.05	3.42	3.44
26	3.13	3.15	3.08	2.88	2.98	2.69	2.12	1.90	3.03	3.06	3.25	3.40
27	3.18	3.15	3.05	2.89	2.98	2.79	2.33	1.97	3.10	3.15	3.08	3.34
28	3.18	3.13	2.99	2.89	2.95	2.78	2.41	1.97	3.22	3.14	2.99	3.29
29	3.28	3.10	2.98	2.89	------	2.75	2.38	1.94	3.35	3.18	2.91	3.35
30	3.38	3.07	2.96	2.85	------	2.70	2.36	1.92	3.44	3.33	3.00	3.30
31	3.29	------	2.92	2.83	------	2.68	------	1.87	------	3.34	3.22	------
MEAN	3.08	3.23	3.07	2.98	2.91	2.75	2.37	2.05	2.13	3.31	3.14	3.25
MAX	3.38	3.56	3.34	3.38	3.04	2.93	2.64	2.33	3.44	3.51	3.42	3.54
MIN	2.89	3.06	2.92	2.83	2.81	2.61	2.12	1.87	1.68	3.05	2.91	2.86

CAL YR 1972 MEAN 3.06 MAX 4.02 MIN 2.34
WTR YR 1973 MEAN 2.86 MAX 3.56 MIN 1.68

02290500 Tamiami Canal at Red Road, Miami, Fla.

LOCATION.--Lat 25°46'49", long 80°17'20", in lot 1, between T.53 S., and T.54 S., R.40 E., Dade County, on right bank, 100 ft (30 m) downstream from bridge at Red Road (N.W. 57th Avenue), Miami, 1.5 mi (2.4 km) downstream from salinity-control structure, and 3 mi (5 km) upstream from mouth at North Fork Miami River. Prior to Aug. 10, 1973 at site 140 ft (43 m) west.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1940 to June 1943; July 1943 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Jan. 14, 1963, water-stage recorder at site 100 ft (30 m) downstream at same datum.

EXTREMES.--Current year: Maximum gage height, 2.70 ft (0.823 m) Oct. 24; minimum, 0.16 ft (0.049 m) Sept. 6.
Period of record: Maximum gage height, 6.00 ft (1.829 m) Oct. 15, 1947 (hurricane flood); minimum, -0.52 ft (-0.158 m) Mar. 22, 1945.

REMARKS.--Stage is basically tidal, but is occasionally affected by operation of salinity-control structure 1.5 mi (2.4 km) upstream during high flow.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.37	2.10	2.39	2.34	2.24	1.98	1.89	1.56	1.24	2.12	1.94	.90
2	2.37	2.13	2.39	2.34	2.26	1.98	1.91	1.54	1.22	2.15	1.84	.76
3	2.38	2.03	2.39	2.34	2.32	1.98	1.97	1.51	1.20	2.05	1.70	.59
4	2.39	1.93	2.27	2.33	2.30	2.00	1.97	1.49	1.20	1.77	1.55	.62
5	2.01	1.85	1.96	2.33	2.28	2.00	1.91	1.48	1.22	1.83	1.40	.58
6	2.19	1.83	1.82	2.27	2.26	2.00	1.84	1.45	1.20	2.03	1.25	.56
7	2.29	2.00	2.00	2.07	2.23	1.97	1.84	1.42	1.27	1.66	1.10	.65
8	2.35	2.15	2.19	2.02	2.20	1.95	1.84	1.40	1.46	1.53	.99	.70
9	2.22	2.25	2.29	2.11	2.18	1.93	1.78	1.39	1.49	1.90	1.03	.64
10	2.10	2.22	2.32	2.18	2.18	1.90	1.72	1.39	1.47	2.04	1.02	.63
11	1.91	2.18	2.35	2.26	2.12	1.87	1.65	1.36	1.44	1.99	.84	.71
12	1.72	2.07	2.36	2.20	2.10	1.84	1.61	1.33	1.40	1.96	.71	.89
13	1.87	2.14	2.38	2.00	2.14	1.81	1.57	1.30	1.41	1.91	.76	1.00
14	2.06	2.27	2.42	1.95	2.23	1.79	1.55	1.27	1.43	1.66	.87	.91
15	2.02	2.33	2.37	1.94	2.11	1.78	1.58	1.23	1.43	1.52	.87	.86
16	1.96	2.24	1.82	2.13	1.71	1.79	1.55	1.30	1.41	1.56	.90	.89
17	2.09	2.28	1.90	2.27	1.86	1.81	1.52	1.29	1.41	1.65	.90	.95
18	2.14	2.45	2.16	2.30	1.98	1.80	1.50	1.27	1.47	1.93	.97	1.02
19	2.20	2.42	2.34	2.09	2.00	1.78	1.49	1.25	1.51	2.02	1.07	.92
20	2.28	2.32	2.35	1.90	1.85	1.78	1.47	1.24	1.64	2.20	1.18	.93
21	2.37	2.02	2.41	1.87	1.97	1.81	1.46	1.24	1.79	2.01	1.15	.99
22	2.35	1.76	2.40	1.89	2.00	1.80	1.44	1.23	1.83	1.97	1.09	1.10
23	2.44	1.87	2.22	2.06	2.02	1.76	1.42	1.23	1.87	1.85	.94	1.22
24	2.40	2.07	2.06	2.15	2.02	1.73	1.40	1.25	1.88	1.73	.80	1.17
25	2.08	2.31	2.13	2.22	1.99	1.72	1.41	1.28	1.94	1.68	1.00	1.19
26	1.97	2.36	2.16	2.22	2.01	1.83	1.38	1.30	1.63	1.74	.94	1.11
27	1.99	2.28	2.13	2.23	2.00	1.91	1.39	1.33	1.96	2.14	.81	.99
28	1.99	2.22	2.08	2.26	1.99	1.91	1.42	1.34	1.97	2.05	.79	.91
29	2.02	2.19	2.06	2.25	------	1.90	1.45	1.33	1.72	2.03	.78	.91
30	2.05	2.34	2.23	2.21	------	1.89	1.50	1.30	2.06	2.18	.73	.75
31	2.07	------	2.32	2.20	------	1.89	------	1.28	------	2.20	.95	------
MEAN	2.15	2.15	2.22	2.16	2.09	1.87	1.61	1.34	1.54	1.91	1.06	.87
MAX	2.44	2.45	2.42	2.34	2.32	2.00	1.97	1.56	2.06	2.20	1.94	1.22
MIN	1.72	1.76	1.82	1.87	1.71	1.72	1.38	1.23	1.20	1.52	.71	.56

CAL YR 1972 MEAN 2.08 MAX 2.46 MIN 1.32
WTR YR 1973 MEAN 1.75 MAX 2.45 MIN .56

02290510 Miami Canal at N. W. 27th Avenue, Miami, Fla.

LOCATION.--Lat 25°47'32", long 80°14'24", on line between secs. 33 and 34, T.53 S., R.41 E., Dade County, on south fender of center span under 27th Avenue bridge, Miami, 4 mi (6 km) upstream from mouth at Biscayne Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1945 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 3.14 ft (0.957 m) Oct. 23; minimum, -1.07 ft (-0.326 m) June 1.
Period of record: Maximum gage height, 5.38 ft (1.640 m) Sept. 8, 1965; minimum, -1.54 ft (-0.469 m) Jan. 18, 1957.

REMARKS.--Stage is basically tidal, but is occasionally affected by inflow from upstream lateral canals and operation of salinity control structures during high flow.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.16	2.11	1.50	1.71	2.00	1.78	2.30	2.07	1.91	1.88	2.30	1.96
2	2.05	2.26	1.56	1.72	1.76	2.10	2.50	2.03	2.08	2.00	2.19	1.80
3	2.01	2.19	1.75	2.02	1.70	2.24	2.74	2.01	1.89	1.92	1.95	1.77
4	2.13	2.13	1.91	1.80	1.86	2.34	2.52	2.08	2.08	1.93	1.80	1.86
5	2.42	2.03	1.84	1.81	1.73	2.47	2.07	2.05	1.82	2.10	1.59	1.82
6	2.78	2.02	1.72	1.92	1.71	2.27	2.29	2.02	1.72	1.78	1.44	1.96
7	2.81	2.23	1.43	2.05	1.71	2.26	2.49	1.87	1.80	1.73	1.44	1.97
8	2.92	1.91	1.60	2.00	1.84	2.21	2.40	1.76	1.78	1.64	1.48	2.02
9	2.66	2.20	1.47	1.95	1.97	2.12	1.99	1.78	1.59	1.73	1.46	2.18
10	2.40	2.20	1.49	2.11	2.13	1.97	1.77	1.60	1.61	1.73	1.72	2.38
11	2.12	2.09	1.66	2.21	1.76	1.79	1.77	1.61	1.66	1.66	1.61	2.55
12	2.08	2.02	1.77	2.33	2.16	1.64	1.77	1.66	1.60	1.51	1.70	2.46
13	2.31	2.18	1.70	2.00	2.37	1.71	1.76	1.57	1.61	1.52	2.01	2.26
14	2.25	2.17	1.64	2.16	2.58	1.83	1.92	1.43	1.57	1.57	1.98	2.39
15	1.89	2.19	1.93	2.23	2.49	2.12	1.88	1.62	1.67	1.73	2.00	2.45
16	1.89	2.26	1.73	2.25	2.23	2.26	2.02	1.75	1.68	1.87	2.02	2.31
17	1.85	2.34	1.93	2.50	2.23	2.21	2.10	1.60	1.57	1.97	2.26	2.13
18	1.99	2.40	2.29	2.61	2.46	2.18	2.04	1.61	1.58	2.15	2.19	1.98
19	2.16	2.51	2.54	2.47	2.50	2.29	2.05	1.58	1.45	2.30	2.37	2.07
20	2.35	2.68	2.41	2.28	2.29	2.21	1.99	1.57	1.51	2.29	2.23	2.08
21	2.81	2.39	2.75	2.63	2.09	2.00	1.86	1.64	1.13	2.22	2.35	2.31
22	2.98	2.27	2.18	2.26	2.29	1.72	1.71	1.71	1.31	2.04	2.37	2.43
23	3.14	2.31	1.96	1.78	1.99	1.72	1.45	1.71	1.30	1.72	2.27	2.52
24	2.97	2.31	1.80	1.71	1.95	1.78	1.63	1.72	1.26	1.72	2.32	2.67
25	2.59	2.57	1.90	1.60	1.72	2.14	1.74	1.73	1.56	1.90	2.30	2.54
26	2.55	1.97	1.97	1.62	1.72	2.06	1.82	1.65	1.78	2.01	2.38	2.39
27	2.30	1.74	1.72	1.58	1.57	1.72	1.70	1.77	1.52	2.06	2.37	2.46
28	2.00	1.55	1.71	1.70	1.72	1.83	1.70	1.72	1.72	2.13	2.38	2.43
29	1.99	1.58	1.71	1.47	------	2.05	1.76	1.60	1.80	2.44	2.18	2.18
30	1.95	1.53	1.94	1.23	------	2.07	1.97	1.74	1.86	2.59	2.21	2.20
31	1.93	------	1.95	1.72	------	2.19	------	1.94	------	2.47	2.15	------
MEAN	2.34	2.14	1.85	1.98	2.02	2.04	1.99	1.75	1.65	1.95	2.03	2.22
MAX	3.14	2.68	2.75	2.63	2.58	2.47	2.74	2.08	2.08	2.59	2.38	2.67
MIN	1.85	1.53	1.43	1.23	1.57	1.64	1.45	1.43	1.13	1.51	1.44	1.77

CAL YR 1972 MEAN 1.96 MAX 3.14 MIN 1.21
WTR YR 1973 MEAN 2.00 MAX 3.14 MIN 1.13

02290510 Miami Canal at N. W. 27th Avenue, Miami, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.06	-.48	-.25	.07	-.02	-.08	-.61	-1.07	-.98	-.11	.30
2	.01	.37	-.53	-.38	-.25	-.01	-.26	-.89	-1.04	-.86	-.16	.23
3	-.07	-.01	-.51	-.30	-.65	-.19	-.22	-1.01	-.90	-.60	-.22	.33
4	.04	-.18	-.36	-.43	-.77	-.15	-.51	-.99	-.90	-.51	-.27	.51
5	-.01	-.43	-.36	-.46	-.66	-.23	-.80	-.85	-.76	-.25	-.39	.41
6	.22	-.28	-.50	-.50	-.82	-.47	-.64	-.84	-.66	-.48	-.29	.44
7	.34	-.08	-.86	-.46	-.70	-.51	-.12	-.71	-.49	-.41	-.30	.49
8	.53	-.25	-.60	-.34	-.50	-.48	-.42	-.60	-.47	-.38	-.21	.38
9	.30	.07	-.62	-.32	-.17	-.48	-.38	-.44	-.58	-.27	-.37	.27
10	.33	.24	-.63	-.06	-.52	-.61	-.41	-.56	-.51	-.12	-.21	.32
11	.27	.33	-.34	.22	-.30	-.52	-.35	-.63	-.52	-.12	-.15	.46
12	.20	.34	-.10	.14	.00	-.53	-.36	-.63	-.52	-.35	-.28	.24
13	.53	.56	-.20	.00	.19	-.32	-.46	-.75	-.61	-.52	-.16	-.04
14	.53	.34	-.29	-.07	.40	-.42	-.45	-.86	-.66	-.51	-.09	-.08
15	.36	.36	-.28	.33	-.17	-.04	-.57	-.87	-.57	-.38	-.18	.02
16	.19	.31	-.80	-.34	-.39	-.18	-.57	-.84	-.58	-.25	-.05	.03
17	.11	-.02	-.80	-.23	-.49	-.65	-.51	-.68	-.74	-.24	-.06	.01
18	-.01	.23	-.47	-.23	-.47	-.53	-.48	-.66	-.72	.03	.11	-.05
19	.04	-.21	-.42	-.31	-.13	-.42	-.40	-.58	-.64	.13	.15	.05
20	-.20	-.26	-.54	-.48	-.11	-.34	-.36	-.40	-.58	.24	.17	.06
21	-.16	-.43	-.35	-.29	-.02	-.52	-.17	-.38	-.58	.19	.33	.12
22	-.06	-.56	-.39	-.33	.15	-.58	-.15	-.23	-.54	.03	.44	.25
23	.02	-.61	-.61	-.51	.12	-.47	-.27	-.18	-.69	-.30	.30	.28
24	-.01	-.42	-.74	-.53	.11	.02	.10	-.08	-.76	-.37	.25	.42
25	-.23	.01	-.41	-.24	.18	.54	.14	-.16	-.66	-.32	.26	.26
26	-.13	-.20	-.21	-.20	-.03	.14	.06	-.31	-.71	-.41	.01	.13
27	.00	-.32	-.20	-.12	-.20	.16	-.19	-.26	-.96	-.52	-.01	.06
28	-.17	-.28	-.23	-.58	.16	.31	-.34	-.62	-.91	-.54	.01	.31
29	-.14	-.37	.05	-.64	------	.19	-.47	-.93	-1.03	-.50	-.05	.20
30	.08	-.45	.04	-.51	------	.31	-.60	-1.00	-1.02	-.19	.10	.32
31	.06	------	-.10	.05	------	.06	------	-1.01	------	-.16	.24	------
MEAN	.10	-.07	-.41	-.27	-.21	-.22	-.34	-.63	-.71	-.32	-.04	.22
MAX	.53	.56	.05	.33	.40	.54	.14	-.08	-.47	.24	.44	.51
MIN	-.23	-.61	-.86	-.64	-.82	-.65	-.80	-1.01	-1.07	-.98	-.39	-.08

CAL YR 1972 MEAN -.23 MAX .59 MIN -1.16
WTR YR 1973 MEAN -.24 MAX .56 MIN -1.07

02290540 Biscayne Bay at Coconut Grove, Miami, Fla.

LOCATION.--Lat 25°43'37", long 80°14'05", in SW quarter sec.22, T.54 S., R.41 E., Dade County, on sea wall at Dinner Key Marina, 75 ft (23 m) southwest of Miami City Hall, in Coconut Grove, Miami.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1959 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 2.96 ft (0.902 m) Oct. 23 (estimated); minimum, -1.13 ft (0.344 m) June 29.
Period of record: Maximum gage height, 7.35 ft (2.240 m) Sept. 8 1965, from hurricane tide; minimum, -1.70 ft (0.518 m) Feb. 19, 1972 (estimated).
Maximum gage height known since Nov. 11, 1940, 9.9 ft (3.018 m) Sept. 15, 16, 1945, from hurricane floodmark; minimum known, -1.94 ft (0.591 m) Jan. 18, 1957, from incomplete records for a former station 1,700 ft (518 m) northwest.

REMARKS.--Gage records water levels and tidal fluctuations in Biscayne Bay. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.96	1.95	1.19	1.46	1.84	1.63	2.04	1.88	1.78	1.58	2.07	1.98
2	1.81	2.06	1.35	1.49	1.53	1.90	2.37	1.86	1.71	1.57	2.00	1.77
3	1.80	1.98	1.55	1.84	1.38	2.07	2.44	1.76	1.85	1.63	1.78	1.63
4	1.88	1.94	1.69	1.60	1.67	2.12	2.32	1.62	1.91	1.62	1.57	1.60
5	2.21	1.86	1.63	1.61	1.55	2.33	2.02	1.80	1.62	1.76	1.29	1.65
6	2.60	1.84	1.48	1.72	1.46	2.11	2.08	1.83	1.50	1.45	1.18	1.63
7	2.64	2.13	1.18	1.86	1.48	2.09	2.35	1.66	1.54	1.38	1.17	1.74
8	2.73	1.68	1.39	1.83	1.65	2.05	2.16	1.59	1.51	1.31	1.23	1.75
9	2.51	2.01	1.28	1.76	1.81	2.06	1.81	1.49	1.35	1.39	1.11	1.82
10	2.24	1.99	1.30	1.89	1.89	1.79	1.62	1.31	1.36	1.37	1.22	2.03
11	2.14	1.88	1.43	2.02	1.53	1.61	1.64	1.35	1.41	1.24	1.33	2.18
12	1.89	1.83	1.64	2.10	1.99	1.44	1.62	1.41	1.37	1.09	1.46	2.33
13	2.13	2.04	1.46	1.76	2.24	1.53	1.60	1.26	1.35	1.11	1.58	2.24
14	2.08	2.00	1.43	1.96	2.43	1.66	1.81	1.14	1.28	1.20	1.65	1.97
15	1.68	1.97	1.76	1.98	2.25	1.95	1.78	1.35	1.37	1.40	1.82	2.14
16	1.67	2.05	1.47	2.09	2.01	2.08	1.90	1.48	1.26	1.57	1.86	2.21
17	1.64	2.11	1.76	2.34	2.00	1.98	1.93	1.26	1.38	1.68	1.99	2.05
18	1.78	2.18	2.13	2.39	2.30	2.00	1.89	1.14	1.27	1.79	2.11	1.85
19	1.96	2.30	2.36	2.22	2.30	2.09	1.78	1.32	1.33	1.90	2.20	1.71
20	2.34	2.44	2.19	2.09	2.10	2.03	1.94	1.29	1.22	2.05	2.03	1.82
21	2.58	2.20	2.48	2.41	2.07	1.79	1.88	1.37	1.25	1.99	2.09	1.80
22	2.92	2.06	1.88	2.18	1.92	1.61	1.80	1.41	1.03	1.86	2.12	1.97
23	2.96	2.10	1.69	1.62	2.09	1.52	1.55	1.46	.97	1.45	1.99	2.18
24	2.83	2.08	1.55	1.47	1.76	1.59	1.43	1.47	.96	1.36	1.83	2.23
25	2.42	2.36	1.68	1.42	1.53	2.08	1.60	1.51	1.27	1.66	2.14	2.39
26	2.36	2.14	1.79	1.42	1.50	1.84	1.67	1.39	1.51	1.75	2.11	2.29
27	2.21	1.54	1.50	1.38	1.29	1.47	1.52	1.53	1.16	1.75	2.19	2.13
28	1.82	1.29	1.45	1.48	1.55	1.68	1.48	1.49	1.32	1.87	2.19	2.28
29	1.78	1.34	1.52	1.22	------	1.90	1.57	1.35	1.49	2.18	2.21	2.22
30	1.76	1.31	1.85	.99	------	1.94	1.83	1.43	1.57	2.34	1.98	2.05
31	1.74	------	1.78	1.62	------	2.05	------	1.73	------	2.23	1.97	------
MEAN	2.16	1.96	1.64	1.78	1.83	1.87	1.85	1.48	1.40	1.63	1.79	1.99
MAX	2.96	2.44	2.48	2.41	2.43	2.33	2.44	1.88	1.91	2.34	2.21	2.39
MIN	1.64	1.29	1.18	.99	1.29	1.44	1.43	1.14	.96	1.09	1.11	1.60

CAL YR 1972 MEAN 1.75 MAX 2.96 MIN .98
WTR YR 1973 MEAN 1.78 MAX 2.96 MIN .96

02290540 Biscayne Bay at Coconut Grove, Miami, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.09	-.08	-.60	-.38	-.05	-.09	-.14	-.67	-.90	-1.09	-.49	-.25
2	-.13	-.03	-.61	-.47	-.42	-.09	-.31	-.89	-.90	-1.09	-.46	-.15
3	-.16	-.13	-.59	-.38	-.65	-.30	-.27	-.93	-.87	-.91	-.42	-.15
4	-.10	-.31	-.59	-.51	-.70	-.24	-.65	-.94	-.86	-.92	-.46	-.09
5	-.25	-.53	-.53	-.56	-.67	-.33	-.75	-.86	-.78	-.53	-.60	.12
6	.00	-.40	-.61	-.57	-.72	-.52	-.71	-.83	-.74	-.69	-.51	.01
7	.12	-.18	-.74	-.56	-.71	-.55	-.20	-.74	-.57	-.64	-.50	-.04
8	.34	-.54	-.64	-.46	-.55	-.52	-.54	-.70	-.60	-.63	-.45	.05
9	.10	-.23	-.66	-.40	-.23	-.47	-.48	-.62	-.65	-.53	-.60	-.06
10	.18	.01	-.66	-.20	-.69	-.65	-.53	-.74	-.59	-.39	-.59	-.20
11	.15	.08	-.41	-.12	-.47	-.59	-.40	-.74	-.62	-.52	-.38	-.26
12	.05	.09	-.16	-.39	-.07	-.60	-.36	-.75	-.62	-.74	-.55	.02
13	.37	.37	-.35	-.34	.33	-.41	-.46	-.83	-.73	-.97	-.38	-.15
14	.40	.14	-.41	.10	.20	-.22	-.45	-.90	-.80	-.87	-.34	-.36
15	.20	-.05	-.60	-.31	-.24	-.48	-.51	-.92	-.67	-.68	-.49	-.47
16	.00	-.04	-.63	-.51	-.63	-.29	-.57	-.89	-.65	-.63	-.32	-.37
17	-.05	.05	-.75	-.37	-.64	-.72	-.48	-.80	-.85	-.51	-.25	-.38
18	-.07	-.23	-.44	-.32	-.56	-.69	-.51	-.79	-.92	-.23	-.14	-.40
19	-.14	-.39	-.56	-.52	-.31	-.50	-.50	-.70	-.72	-.09	-.10	-.43
20	-.27	-.53	-.65	-.64	-.28	-.41	-.36	-.49	-.70	-.01	-.15	-.40
21	-.04	-.66	-.51	-.42	-.17	-.63	-.17	-.49	-.76	-.11	-.09	-.27
22	-.09	-.66	-.62	-.48	-.03	-.64	-.20	-.38	-.75	-.29	-.05	-.18
23	-.05	-.68	-.68	-.60	-.02	-.56	-.38	-.29	-.87	-.61	-.13	-.13
24	-.14	-.61	-.20	-.64	-.05	.01	-.03	-.21	-.95	-.65	-.36	-.25
25	-.42	-.12	-.58	-.31	.04	.46	.09	-.25	-.80	-.64	-.22	-.16
26	-.27	-.40	-.41	-.34	-.22	-.04	-.02	-.44	[illegible]	-.66	-.34	-.30
27	-.13	-.46	-.45	-.25	.08	.10	-.07	-.35	-1.10	-.73	-.47	-.36
28	-.30	-.40	-.41	-.67	-.36	.27	-.43	-.67	-1.08	-.71	-.52	-.38
29	-.31	-.46	-.03	-.63	------	.45	-.53	-.96	-1.13	-.69	-.45	-.11
30	-.08	-.23	.31	-.70	------	.10	-.62	-.98	-1.09	-.40	-.47	-.23
31	-.02	------	-.05	-.66	------	.01	------	-.94	------	-.48	-.36	------
MEAN	-.04	-.25	-.48	-.44	-.31	-.29	-.38	-.70	-.81	-.60	-.38	-.21
MAX	.40	.37	.31	.10	.33	.46	.09	-.21	-.57	-.01	-.05	.12
MIN	-.42	-.68	-.75	-.70	-.72	-.72	-.75	-.98	-1.13	-1.09	-.60	-.47

CAL YR 1972 MEAN -.42 MAX .40 MIN -1.71
WTR YR 1973 MEAN -.41 MAX .46 MIN -1.13

02290600 Snapper Creek Canal near Coral Cables, Fla.

LOCATION.--Lat 25°45'40", long 80°23'05", in NE quarter sec.1, T.54 S., R.39 E., Dade County, on downstream side of center span of the north bridge on U.S. Highway 41, 100 ft (30 m) south of Tamiami Canal, 6 mi (10 km) west of Coral Cables, 11.4 mi (18.3 km) upstream from salinity-control structure 22, and 12.8 mi (20.6 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1959 to September 1967 (daily discharge and gage heights). October 1967 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.--7 years (1960-1967), 44.8 cfs (1.269 cu m/s) 32,430 acre-ft/yr (40.0 cu hm/yr).

EXTREMES.--Current year: Maximum gage height, 4.72 ft (1.439 m) estimated Sept. 5; minimum, 1.70 ft (0.518 m) June 5-7, 14-16.
Period of record: Maximum discharge, 474 cfs (13.4 cu m/s) Apr. 26, 1960; maximum gage height, 6.74 ft (2.054 m) Sept. 10, 1960; maximum reverse flow, 780 cfs (22.1 cu m/s) Sept. 10, 1960, caused by hurricane tide; minimum gage height, 1.30 ft (0.396 m) June 1, 1962.

REMARKS.--Flow is regulated by operation of salinity-control structure 22, 11.4 mi (18.3 km) downstream, and affected by operation of salinity-control structure T-3 in Tamiami Canal. Flow is normally to the south, but because of regulation, is frequently reversed.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.50	3.38	3.24	3.09	3.30	3.14	2.97	2.41	1.86	3.57	3.80	4.40
2	3.50	3.36	3.21	3.17	3.31	3.04	2.98	2.39	1.82	3.52	3.65	4.35
3	3.50	3.34	3.19	3.24	3.32	2.98	2.96	2.36	1.79	3.57	3.73	4.35
4	3.61	3.32	3.21	3.28	3.25	3.01	2.94	2.33	1.76	3.57	3.70	4.36
5	3.75	3.28	3.21	3.30	3.19	3.02	2.89	2.32	1.73	3.55	3.68	4.72
6	3.82	3.24	3.19	3.26	3.14	3.02	2.87	2.30	1.72	3.56	3.65	4.48
7	3.77	3.63	3.16	3.28	3.10	3.02	2.85	2.28	1.71	3.56	3.58	4.64
8	3.74	3.91	3.18	3.30	3.09	3.01	2.83	2.24	1.75	3.60	3.56	4.52
9	3.69	3.75	3.28	3.31	3.09	2.92	2.79	2.21	1.78	3.61	3.58	4.34
10	3.63	3.64	3.36	3.31	3.14	2.92	2.76	2.18	1.78	3.70	3.78	4.19
11	3.60	3.55	3.40	3.59	3.15	2.99	2.72	2.16	1.77	3.93	3.79	4.08
12	3.57	3.50	3.42	3.74	3.15	2.97	2.69	2.13	1.74	3.83	3.76	3.93
13	3.54	3.45	3.44	3.64	3.13	2.96	2.65	2.10	1.72	3.67	3.73	3.92
14	3.50	3.47	3.45	3.59	3.12	2.95	2.62	2.08	1.70	3.61	3.79	3.88
15	3.47	3.67	3.53	3.54	3.19	2.93	2.60	2.08	1.71	3.53	3.73	3.82
16	3.43	3.70	3.59	3.49	3.16	2.92	2.57	2.07	1.71	3.42	3.73	3.76
17	3.45	3.60	3.49	3.44	3.11	2.91	2.51	2.05	1.77	3.35	3.66	3.85
18	3.49	3.53	3.42	3.34	3.15	2.90	2.45	2.03	1.84	3.32	3.70	3.99
19	3.38	3.47	3.38	3.30	3.18	2.89	2.40	2.01	1.90	3.49	3.78	3.94
20	3.34	3.44	3.33	3.30	3.21	2.88	2.37	1.83	2.19	3.78	3.88	3.94
21	3.35	3.45	3.29	3.30	3.20	2.90	2.35	1.97	2.62	3.67	4.30	3.80
22	3.31	3.44	3.36	3.30	3.19	2.77	2.33	1.95	2.80	3.93	4.34	3.72
23	3.29	3.43	3.42	3.38	3.17	2.99	2.30	1.93	2.93	3.87	3.74	3.83
24	3.26	3.41	3.38	3.44	3.15	2.96	2.27	1.91	3.03	3.74	3.70	3.92
25	3.26	3.40	3.33	3.49	3.14	2.94	2.23	1.91	3.09	3.61	4.10	3.88
26	3.28	3.38	3.29	3.51	3.18	3.02	2.20	1.91	3.44	3.52	4.15	3.84
27	3.35	3.35	3.24	3.53	3.18	3.10	2.36	1.94	3.43	3.47	4.25	3.83
28	3.36	3.32	3.20	3.56	3.17	3.09	2.43	1.95	3.54	3.46	4.30	3.76
29	3.42	3.30	3.17	3.36	------	3.08	2.43	1.94	3.57	3.58	4.25	3.70
30	3.46	3.28	3.14	3.33	------	3.06	2.43	1.92	3.60	3.80	4.22	3.61
31	3.42	------	3.12	3.31	------	3.03	------	1.89	------	3.97	4.55	------
MEAN	3.49	3.47	3.31	3.39	3.17	2.98	2.59	2.09	2.26	3.62	3.88	4.05
MAX	3.82	3.91	3.59	3.74	3.32	3.14	2.98	2.41	3.60	3.97	4.55	4.72
MIN	3.26	3.24	3.12	3.09	3.09	2.77	2.20	1.83	1.70	3.32	3.56	3.61

CAL YR 1972 MEAN 3.47 MAX 4.69 MIN 2.22
WTR YR 1973 MEAN 3.19 MAX 4.72 MIN 1.70

02290610 Snapper Creek Canal at Miller Drive, near South Miami, Fla.

LOCATION.--Lat 25°42'56", long 80°22'59", in SW quarter sec.19, T.54 S., R.40 E., Dade County, 10 ft (3 m) streamward from east bank, 3 mi (5 km) south of Tamiami Canal, 5 mi (8 km) west of South Miami, and 9.8 mi (15.8 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1958 to December 1967 (gage heights only), January 1967 to current year. Gage heights published since October 1962.

GAGE.--Water-stage recorder and deflection-meter recorder. Datum of gage is at mean sea level (Dade County bench mark).

AVERAGE DISCHARGE.--5 years, 184 cfs (5.210 cu m/s), 133,200 acre-ft/yr (164 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 477 cfs (13.5 cu m/s) Nov. 8; maximum gage height, 4.65 ft (1.417 m) Aug. 24, 25; minimum daily discharge, 23 cfs (0.65 cu m/s) Apr. 25; minimum gage height, 1.42 ft (0.433 m) June 16, 17.
Period of record: Maximum daily discharge, 795 cfs (22.5 cu m/s) Oct. 17, 1968; maximum gage height, 6.93 ft (2.112 m) Sept. 10, 1960, from hurricane tide; minimum daily discharge, 23 cfs (0.65 cu m/s) Apr. 25, 1973; minimum gage height, 1.23 ft (0.375 m) May 13, 1971.

REMARKS.--Records poor. Flow is regulated by operation of control structure 22, 8.4 mi (13.5 km) downstream, and affected by operation of salinity barrier T-3 in Tamiami Canal. Discharge computed from continuous velocity record obtained from recording deflection meter.

WATER TEMPERATURE (°C).--Jan. 2 (1350) 24.0°; Feb. 6 (1030) 22.5°; Mar. 1 (1015) 23.0°; Mar. 11 (0847) 24.5°; Mar. 26 (1450) 25.0°; Apr. 3 (1001) 23.0°; May 1 (1235) 25.5°; June 1 (0945) 29.0°; July 3 (1115) 29.5°; Aug. 2 (1225) 30.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	225	223	137	145	102	76	109	42	40	106	204	395
2	215	189	136	99	109	99	109	43	44	103	185	388
3	212	174	143	83	146	98	100	46	55	93	155	334
4	219	175	168	77	169	78	88	48	52	85	153	384
5	230	170	144	88	161	77	90	50	45	77	149	384
6	229	176	140	89	172	76	94	54	52	73	148	353
7	227	342	136	82	145	78	92	53	56	74	144	375
8	207	477	114	77	130	81	86	55	49	106	156	334
9	213	421	89	80	99	78	94	55	55	183	266	339
10	209	384	87	118	98	72	93	56	51	189	313	376
11	197	382	78	216	95	71	87	53	51	199	285	375
12	191	384	83	124	88	68	67	57	51	197	293	349
13	179	356	84	108	82	67	68	64	44	202	280	331
14	174	413	103	108	86	69	70	60	41	194	262	319
15	171	454	106	109	119	72	67	54	42	209	263	308
16	180	457	166	112	151	66	62	56	44	199	249	299
17	162	437	178	169	116	72	56	56	46	199	189	310
18	153	409	157	237	88	75	52	56	48	196	140	312
19	151	381	154	169	80	78	50	60	47	193	159	307
20	149	358	157	107	84	78	46	55	58	194	261	314
21	152	334	158	109	87	82	39	63	57	196	294	301
22	159	321	182	107	83	87	37	51	75	197	301	289
23	164	309	199	110	87	91	33	58	78	188	270	290
24	174	302	183	113	80	92	29	56	100	183	288	272
25	219	296	191	116	79	95	23	52	117	172	284	299
26	225	273	182	117	73	88	26	47	124	166	296	317
27	226	234	165	117	73	107	28	38	123	162	363	324
28	209	214	159	153	73	125	41	31	119	144	340	309
29	201	193	158	249	------	115	43	41	116	128	305	283
30	244	163	150	188	------	116	42	45	110	147	371	281
31	235	------	155	139	------	113	------	45	------	198	379	------
TOTAL	6,101	9,401	4,442	3,915	2,955	2,640	1,921	1,600	1,990	4,952	7,745	9,851
MEAN	197	313	143	126	106	85.2	64.0	51.6	66.3	160	250	328
MAX	244	477	199	249	172	125	109	64	124	209	379	395
MIN	149	163	78	77	73	66	23	31	40	73	140	272
AC-FT	12,100	18,650	8,810	7,770	5,860	5,237	3,810	3,170	3,950	9,820	14,590	19,540

CAL YR 1972 TOTAL 71,279.0 MEAN 195 MAX 477 MIN 60 AC-FT 134,400
WTR YR 1973 TOTAL 57,513 MEAN 158 MAX 477 MIN 23 AC-FT 113,300

02290610 Snapper Creek Canal at Miller Drive, near South Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.21	3.23	3.08	2.92	3.21	3.07	2.93	2.33	1.64	3.39	3.64	4.33
2	3.23	3.22	3.05	3.10	3.21	2.94	2.91	2.30	1.61	3.41	3.55	4.24
3	3.23	3.20	3.03	3.15	3.20	2.87	2.86	2.29	1.59	3.43	3.58	4.06
4	3.27	3.19	3.04	3.22	3.10	2.92	2.83	2.27	1.57	3.44	3.59	4.04
5	3.37	3.14	3.04	3.21	3.05	2.95	2.83	2.26	1.56	3.44	3.56	4.14
6	3.45	3.12	3.02	3.13	3.00	2.95	2.79	2.22	1.56	3.45	3.52	4.23
7	3.39	3.38	2.98	3.18	2.96	2.94	2.76	2.19	1.53	3.47	3.45	4.39
8	3.39	3.61	3.04	3.20	2.98	2.93	2.75	2.16	1.54	3.48	3.42	4.31
9	3.32	3.52	3.20	3.21	3.02	2.92	2.72	2.13	1.53	3.33	3.46	4.15
10	3.27	3.41	3.30	3.22	3.07	2.92	2.69	2.10	1.53	3.29	3.56	4.01
11	3.25	3.36	3.34	3.36	3.11	2.92	2.65	2.08	1.53	3.56	3.58	3.89
12	3.20	3.32	3.37	3.36	3.11	2.91	2.60	2.05	1.52	3.55	3.58	3.81
13	3.19	3.29	3.37	3.36	3.09	2.90	2.56	1.99	1.51	3.41	3.58	3.80
14	3.16	3.27	3.38	3.38	3.09	2.87	2.53	1.98	1.51	3.34	3.61	3.78
15	3.09	3.40	3.43	3.35	3.12	2.86	2.49	1.96	1.50	3.27	3.57	3.71
16	3.08	3.48	3.38	3.31	3.05	2.85	2.47	1.96	1.48	3.21	3.56	3.66
17	3.20	3.41	3.29	3.24	3.05	2.84	2.44	1.93	1.48	3.21	3.51	3.73
18	3.29	3.36	3.26	3.12	3.11	2.84	2.41	1.90	1.51	3.19	3.48	3.91
19	3.27	3.29	3.22	3.08	3.13	2.83	2.35	1.88	1.54	3.21	3.58	3.87
20	3.24	3.30	3.17	3.13	3.16	2.82	2.31	1.85	1.64	3.42	4.03	3.87
21	3.26	3.32	3.13	3.14	3.16	2.85	2.28	1.85	1.83	3.43	4.11	3.73
22	3.20	3.30	3.15	3.16	3.14	2.90	2.26	1.83	2.07	3.59	4.13	3.62
23	3.17	3.28	3.21	3.28	3.13	2.91	2.24	1.78	2.32	3.65	3.94	3.67
24	3.14	3.27	3.18	3.35	3.10	2.90	2.19	1.77	2.51	3.60	4.08	3.82
25	3.09	3.27	3.15	3.40	3.09	2.86	2.16	1.75	2.64	3.50	4.57	3.78
26	3.13	3.24	3.12	3.43	3.11	2.89	2.13	1.72	2.83	3.41	4.34	3.73
27	3.25	3.21	3.08	3.47	3.12	2.98	2.22	1.71	2.95	3.36	4.18	3.75
28	3.26	3.18	3.03	3.47	3.11	3.00	2.31	1.71	3.08	3.37	4.02	3.68
29	3.29	3.15	3.00	3.21	------	2.98	2.33	1.70	3.21	3.47	3.93	3.60
30	3.27	3.12	2.98	3.23	------	2.96	2.34	1.70	3.29	3.64	4.01	3.51
31	3.25	------	2.94	3.22	------	2.94	------	1.67	------	3.81	4.25	------
MEAN	3.24	3.29	3.16	3.24	3.10	2.91	2.51	1.97	1.92	3.43	3.77	3.89
MAX	3.45	3.61	3.43	3.47	3.21	3.07	2.93	2.33	3.29	3.81	4.57	4.39
MIN	3.08	3.12	2.94	2.92	2.96	2.82	2.13	1.67	1.48	3.19	3.42	3.51

CAL YR 1972 MEAN 3.30 MAX 4.24 MIN 2.59
WTR YR 1973 MEAN 3.04 MAX 4.57 MIN 1.48

02290700 Snapper Creek Canal at S-22, near South Miami, Fla.

LOCATION.--Lat 25°40'11", long 80°17'03", in NW quarter sec.7, T.55 S., R.41 E., Dade County, 15 ft (5 m) from right bank, 300 ft (91 m) upstream from salinity-control structure 22, 1.4 mi (2.3 km) upstream from mouth, and 2.5 mi (4.0 km) south of South Miami.

DRAINAGE AREA.--Indeterminate.

RECORDS AVAILABLE.--February 1959 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--14 years, 242 cfs (6.853 cu m/s), 175,200 acre-ft/yr (216 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 759 cfs (21.5 cu m/s) Aug. 25; maximum gage height, 3.80 ft (1.158 m) Sept. 19; no flow for many days; minimum gage height, 1.42 ft (0.433 m) June 17.
Period of record: Maximum daily discharge, 2,080 cfs (58.9 cu m/s) Sept. 11, 1960; maximum gage height, 6.02 ft (1.835 m) Sept. 8, 1965; no flow for many days each year; maximum reverse flow, 1,220 cfs (34.6 cu m/s) Sept. 10, 1960, from hurricane storm tide; minimum gage height, -0.59 ft (-0.180 m) Mar. 26, 1959.

REMARKS.--Records fair. Flow affected by tide and operation of salinity-control structure 22 and is occasionally reversed. Some seepage losses above station into City of Miami southwest well field. Discharge computed from continuous velocity record obtained from recording deflection meter.

COOPERATION.--Gate-opening record furnished by Central and Southern Florida Flood Control District.

WATER TEMPERATURE(°C).--Jan. 2 (1218) 23.5°; Mar. 1 (0930) 20.0°; May 1 (0900) 25.0°; June 1 (1007) 28.5°; July 5 (1015) 28.5°; Aug. 2 (1145) 29.5°; Sept. 4 (1015) 29.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	360	222	261	145	222	70	0			0	525	715
2	336	233	235	0	217	188	0			0	451	733
3	323	240	111	0	242	175	0			0	329	696
4	335	236	198	0	267	0	0			0	354	648
5	351	164	270	89	245	0	0			0	366	630
6	398	243	257	118	253	0	0			0	344	665
7	387	399	244	0	195	0	0			0	345	679
8	350	555	97	0	162	0	0			137	334	684
9	387	504	0	0	130	0	0			345	351	729
10	343	498	0	0	51	0	0			326	349	727
11	322	451	0	252	131	0	12			366	320	702
12	352	390	0	536	124	0	7.9			385	290	654
13	303	369	0	336	119	0	0			357	240	467
14	315	417	63	317	144	0	0			364	204	489
15	297	476	139	303	208	0	0			349	225	481
16	195	484	288	294	257	0	0			297	232	468
17	41	409	266	434	114	0	0			226	196	476
18	62	394	267	471	0	0	0			202	135	536
19	170	399	245	317	0	0	0			226	140	565
20	231	289	285	166	0	0	0			254	506	567
21	279	221	260	166	0	0	0			274	569	570
22	248	232	287	85	0	0	0			301	565	558
23	225	267	296	0	0	0	0			312	545	555
24	253	232	290	0	0	0	0			338	605	598
25	291	202	279	0	0	0	0			325	759	587
26	128	264	281	0	0	0	0			306	703	590
27	19	206	276	0	0	0	0			285	641	561
28	31	265	237	179	0	0	0			306	588	573
29	128	248	245	263	------	0	0			307	549	592
30	212	248	242	184	------	0	0			286	561	705
31	194	------	261	191	------	0	------		------	525	612	------
TOTAL	7,866	9,757	6,180	4,846	3,081	433	19.9	0	0	7,399	12,933	18,200
MEAN	254	325	199	156	110	14.0	.66	0	0	239	417	607
MAX	398	555	296	536	267	188	12	0	0	525	759	733
MIN	19	164	0	0	0	0	0	0	0	0	135	467
AC-FT	15,600	19,350	12,260	9,610	6,110	859	39	0	0	14,680	25,650	36,100

CAL YR 1972 TOTAL 86,943.00 MEAN 238 MAX 876 MIN 0 AC-FT 172,500
WTR YR 1973 TOTAL 70,714.90 MEAN 194 MAX 759 MIN 0 AC-FT 140,300

02290700 Snapper Creek Canal at S-22, near South Miami, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.90	3.13	2.85	2.79	3.18	3.07	2.93	2.35	1.65	3.32	2.95	3.21
2	2.90	3.11	2.82	3.11	3.20	2.89	2.85	2.32	1.63	3.35	2.96	3.09
3	2.87	3.06	2.83	3.17	3.15	2.82	2.86	2.31	1.60	3.38	3.23	2.92
4	2.93	3.02	2.86	3.23	2.98	2.97	2.87	2.30	1.57	3.39	3.24	2.95
5	3.00	2.98	2.84	3.23	2.93	3.00	2.83	2.26	1.55	3.40	3.18	3.16
6	3.02	2.96	2.80	3.17	2.86	2.99	2.79	2.24	1.53	3.40	3.14	3.20
7	2.99	2.93	2.77	3.25	2.91	2.97	2.76	2.20	1.54	3.42	3.09	3.37
8	3.04	2.91	2.96	3.27	2.97	2.96	2.76	2.17	1.51	3.27	3.07	3.34
9	2.88	2.90	3.22	3.28	3.02	2.95	2.75	2.15	1.52	2.91	3.09	3.18
10	2.91	2.87	3.32	3.28	3.19	2.95	2.72	2.13	1.51	2.81	3.21	3.04
11	2.91	2.90	3.36	3.15	3.19	2.94	2.66	2.08	1.51	3.04	3.22	2.98
12	2.88	2.92	3.40	2.87	3.17	2.94	2.62	2.03	1.48	3.03	3.21	2.96
13	2.92	2.93	3.42	3.25	3.15	2.92	2.58	2.01	1.48	2.90	3.24	3.33
14	2.88	2.89	3.32	3.30	3.10	2.91	2.53	1.99	1.48	2.83	3.28	3.30
15	2.78	2.89	3.39	3.28	3.10	2.89	2.50	2.00	1.46	2.79	3.23	3.26
16	2.83	2.92	3.21	3.25	2.97	2.87	2.47	2.00	1.45	2.77	3.21	3.22
17	3.13	2.97	3.12	3.05	3.03	2.88	2.43	1.96	1.45	2.88	3.18	3.24
18	3.25	2.91	3.12	2.89	3.15	2.87	2.40	1.93	1.49	2.89	3.16	3.40
19	3.18	2.86	3.07	2.96	3.20	2.86	2.36	1.91	1.53	2.87	3.26	3.26
20	3.14	3.03	3.01	3.11	3.24	2.83	2.34	1.87	1.60	3.07	3.15	3.19
21	3.03	3.09	2.98	3.11	3.23	2.88	2.29	1.86	1.80	3.09	3.23	3.00
22	2.99	3.07	2.98	3.17	3.21	2.94	2.26	1.85	2.06	3.20	3.26	2.92
23	3.00	3.05	3.02	3.34	3.17	2.93	2.25	1.80	2.30	3.25	3.05	2.97
24	2.94	3.04	2.99	3.43	3.14	2.90	2.21	1.79	2.50	3.21	2.97	3.16
25	2.83	3.08	2.96	3.49	3.14	2.87	2.17	1.79	2.60	3.15	3.24	3.15
26	3.02	3.03	2.95	3.50	3.16	2.94	2.16	1.77	2.79	3.09	3.13	3.07
27	3.21	2.97	2.91	3.55	3.18	3.01	2.25	1.76	2.92	3.03	3.05	3.07
28	3.22	2.93	2.85	3.32	3.17	3.02	2.34	1.75	3.02	3.04	3.03	3.00
29	3.22	2.90	2.81	3.09	------	3.00	2.34	1.73	3.16	3.13	3.02	2.96
30	3.14	2.89	2.80	3.23	------	2.97	2.35	1.71	3.24	3.29	3.04	2.83
31	3.12	------	2.76	3.20	------	2.95	------	1.70	------	3.11	3.26	------
MEAN	3.00	2.97	3.02	3.20	3.11	2.93	2.52	1.99	1.90	3.11	3.15	3.12
MAX	3.25	3.13	3.42	3.55	3.24	3.07	2.93	2.35	3.24	3.42	3.28	3.40
MIN	2.78	2.86	2.76	2.79	2.86	2.82	2.16	1.70	1.45	2.77	2.95	2.83

CAL YR 1972 MEAN 3.10 MAX 3.57 MIN 1.51
WTR YR 1973 MEAN 2.84 MAX 3.55 MIN 1.45

02290707 Black Creek Canal near Richmond Heights, Fla.

LOCATION.--Lat 25°39'39", long 80°28'46", in SW quarter sec.7, T.55 S., R.39 E., Dade County, near right bank 30 ft (9 m) upstream from Seaboard Coastline Railroad, about 600 ft (183 m) east of Krome Avenue, and 6.5 mi (10.5 km) northwest of Richmond Heights.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1969 to current year.

GAGE.--Water-stage record. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 7.08 ft (2.158 m) Aug. 24; minimum, 1.18 ft (0.360 m) June 16.
Period of record: Maximum gage height, 7.08 ft (2.158 m) Aug. 24, 1973; minimum, 0.74 ft (0.226 m) May 15, 1971.

REMARKS.--Water levels at this station are affected by operation of salinity-control structures S-148 and S-21 about 9 mi (14 km) and 14 mi (22 km) respectively, downstream. Records are for stage only.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.31	4.82	4.82	4.17	4.17	3.67	3.07	2.14	1.37	3.21	4.85	5.76
2	5.26	4.80	4.77	4.13	4.17	3.64	3.03	2.12	1.35	3.28	4.89	5.72
3	5.20	4.77	4.74	4.10	4.18	3.61	3.00	2.07	1.33	3.31	5.02	5.74
4	5.23	4.73	4.71	4.07	4.17	3.58	2.96	2.04	1.31	3.34	5.10	5.69
5	5.32	4.70	4.69	4.04	4.15	3.55	2.92	2.01	1.29	3.38	5.06	5.64
6	5.32	4.67	4.66	4.02	4.11	3.51	2.88	1.99	1.27	3.41	4.98	5.68
7	5.29	5.30	4.62	3.99	4.08	3.48	2.85	1.97	1.24	3.43	4.90	5.83
8	5.24	5.71	4.59	3.97	4.04	3.45	2.82	1.95	1.26	3.45	4.83	5.76
9	5.19	5.62	4.55	3.94	4.00	3.43	2.77	1.91	1.28	3.48	4.84	5.63
10	5.16	5.51	4.52	3.92	3.96	3.46	2.73	1.88	1.29	3.52	5.08	5.53
11	5.13	5.41	4.48	4.07	3.91	3.46	2.70	1.85	1.28	3.60	5.11	5.42
12	5.13	5.33	4.45	4.43	3.86	3.43	2.66	1.83	1.27	3.75	5.06	5.33
13	5.11	5.27	4.41	4.50	3.83	3.40	2.61	1.82	1.24	3.87	5.08	5.24
14	5.07	5.28	4.39	4.48	3.81	3.37	2.58	1.82	1.22	3.95	5.07	5.15
15	5.03	5.50	4.37	4.45	3.80	3.34	2.56	1.74	1.19	4.00	5.00	5.08
16	4.99	5.56	4.38	4.41	3.82	3.30	2.52	1.63	1.19	4.04	4.95	5.00
17	4.96	5.46	4.36	4.38	3.80	3.28	2.48	1.58	1.20	4.06	4.90	4.97
18	4.92	5.38	4.33	4.34	3.77	3.27	2.43	1.58	1.24	4.06	4.85	5.14
19	4.88	5.31	4.31	4.31	3.76	3.26	2.39	1.56	1.30	4.07	4.86	5.41
20	4.86	5.26	4.29	4.27	3.76	3.25	2.34	1.55	1.36	4.08	5.16	5.62
21	5.04	5.21	4.27	4.24	3.74	3.24	2.32	1.53	1.56	4.10	5.46	5.50
22	5.01	5.16	4.33	4.20	3.71	3.23	2.29	1.51	2.03	4.34	5.66	5.42
23	4.95	5.11	4.46	4.15	3.68	3.22	2.24	1.49	2.28	4.54	5.51	5.51
24	4.89	5.06	4.47	4.13	3.66	3.21	2.20	1.47	2.41	4.58	5.94	5.50
25	4.85	5.03	4.45	4.21	3.64	3.21	2.16	1.46	2.50	4.64	6.38	5.56
26	4.81	4.99	4.41	4.19	3.67	3.20	2.13	1.45	2.71	4.61	5.90	5.55
27	4.78	4.96	4.36	4.19	3.71	3.19	2.12	1.43	2.83	4.56	5.70	5.52
28	4.74	4.92	4.30	4.30	3.70	3.18	2.14	1.42	2.92	4.61	5.66	5.52
29	4.75	4.89	4.26	4.28	------	3.17	2.15	1.42	3.05	4.69	5.71	5.51
30	4.88	4.85	4.23	4.24	------	3.14	2.15	1.40	3.13	4.74	5.83	5.50
31	4.86	------	4.20	4.20	------	3.10	------	1.39	------	4.85	5.86	------
MEAN	5.04	5.15	4.46	4.20	3.88	3.35	2.54	1.71	1.70	3.99	5.26	5.48
MAX	5.32	5.71	4.82	4.50	4.18	3.67	3.07	2.14	3.13	4.85	6.38	5.83
MIN	4.74	4.67	4.20	3.92	3.64	3.10	2.12	1.39	1.19	3.21	4.83	4.97

CAL YR 1972 MEAN 4.51 MAX 6.08 MIN 2.96
WTR YR 1973 MEAN 3.90 MAX 6.38 MIN 1.19

02290710 Black Creek Canal at S-21, near Goulds, Fla.

LOCATION.--Lat 25°32'34", long 80°19'52", in E half sec.21, T.56 S., R.40 E., Dade County, in control house of salinity-control structure S-21, 0.5 mi (0.8 km) upstream from mouth, and 3.5 mi (5.6 km) east of Goulds.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1957 to October 1969 (gage heights only). November 1969 to current year. Published since October 1962.

GAGE.--Dual water-stage recorder and gate opening recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Apr. 9, 1960, water-stage recorder at site 270 ft (82 m) upstream in north lateral borrow canal, and Apr. 9, 1960, to July 8, 1968, at site 810 ft (247 m) upstream in north lateral borrow canal all at same datum.

EXTREMES.--Current year: Maximum daily discharge, 1,100 cfs (31.2 cu m/s) Aug. 25; maximum gage height, 2.75 ft (0.838 m) Sept. 24; no flow for many days; minimum gage height, 0.62 ft (0.189 m) June 13.
Period of record: Maximum daily discharge, 1,650 cfs (46.7 cu m/s) July 6; maximum gage height, 6.41 ft (1.954 m) Sept. 10, 1960; no flow for many days each year; minimum gage height, -0.57 ft (-0.174 m) Apr. 8, 1966.

REMARKS.--Records poor. Flow is affected by tide and is occasionally reversed. Flow is regulated by the operation of salinity-control structure S-21 and by some upstream pumpage for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	190	71	0	58	0	0		0	0	240	547
2	238	67	79	0	73	72	60		0	0	152	502
3	179	95	0	0	78	0	0		0	0	173	400
4	396	41	172	0	57	0	0		0	0	130	426
5	268	138	137	0	83	79	0		0	0	172	337
6	305	103	0	75	0	0	0		0	88	79	313
7	287	225	129	0	179	0	0		0	0	250	546
8	256	231	93	81	0	0	0		0	40	89	343
9	186	192	79	0	0	0	36		0	0	199	265
10	224	177	0	0	140	86	9.7		0	177	132	326
11	241	184	129	102	0	0	0		0	150	162	251
12	218	145	2.8	141	0	0	0		0	325	80	273
13	151	141	57	12	81	0	0		0	183	110	274
14	139	195	131	88	0	0	0		0	167	166	269
15	144	162	75	83	99	0	0		0	0	195	264
16	134	179	65	72	0	0	0		0	0	74	233
17	179	232	144	94	47	0	0		0	66	189	253
18	143	175	71	83	0	0	0		0	0	214	259
19	123	169	82	88	66	0	0		0	110	231	408
20	159	168	37	16	0	0	0		0	90	423	191
21	134	165	55	65	59	0	0		0	1.0	368	283
22	141	123	154	59	0	0	0		157	227	356	311
23	84	148	96	0	8.0	0	0		158	234	273	594
24	70	76	0	118	0	0	0		0	190	617	424
25	149	204	20	0	105	0	0		0	73	1,100	518
26	128	106	99	48	232	0	0		0	157	578	343
27	156	121	0	89	86	71	0		0	97	338	299
28	134	152	133	0	77	0	0		0	183	327	194
29	132	139	0	144	------	0	0		0	144	408	208
30	92	61	0	87	------	0	0		0	95	667	186
31	40	------	101	0	------	0	------		------	140	790	------
TOTAL	5,382	4,504	2,211.8	1,545	1,528.0	308	105.7	0	315	2,937.0	9,282	10,040
MEAN	174	150	71.3	49.8	54.6	9.94	3.52	0	10.5	94.7	299	335
MAX	396	232	172	144	232	86	60	0	158	325	1,100	594
MIN	40	41	0	0	0	0	0	0	0	0	74	186

CAL YR 1972 TOTAL 50,804.90 MEAN 139 MAX 1,220 MIN 0
WTR YR 1973 TOTAL 38,158.50 MEAN 105 MAX 1,100 MIN 0

02290710 Black Creek Canal at S-21, near Goulds, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.03	2.01	2.00	2.07	2.08	2.16	2.08	1.28	.89	2.15	1.88	1.95
2	1.95	2.03	1.90	2.16	1.99	2.02	1.93	1.26	.85	2.16	1.90	1.94
3	1.98	2.04	2.07	2.21	2.10	2.15	1.92	1.24	.82	2.16	1.89	1.82
4	1.96	2.04	1.90	2.22	1.96	2.20	1.90	1.22	.79	2.18	1.97	1.92
5	1.99	1.82	1.98	2.24	2.13	1.96	1.90	1.20	.79	2.18	1.71	1.89
6	2.00	2.03	2.08	2.01	2.11	2.15	1.88	1.18	.75	2.03	1.97	1.83
7	2.01	1.97	1.90	2.08	1.75	2.17	1.86	1.16	.73	2.16	1.85	1.84
8	1.98	1.91	2.11	2.03	2.05	2.19	1.84	1.12	.78	2.08	1.85	1.96
9	1.99	1.96	1.91	2.08	2.17	2.21	1.77	1.10	.78	2.09	1.81	1.95
10	1.95	1.92	2.17	2.15	1.96	2.04	1.66	1.07	.76	1.98	1.97	1.96
11	1.98	2.01	1.96	2.07	2.00	2.02	1.70	1.05	.69	1.98	1.82	1.92
12	1.95	1.99	2.21	1.88	2.17	2.10	1.68	1.02	.66	1.55	1.90	2.02
13	1.97	1.98	2.11	2.12	1.95	2.10	1.65	.98	.65	1.55	2.03	2.01
14	1.94	1.96	2.01	2.02	2.11	2.10	1.63	.97	.73	1.63	2.02	2.00
15	1.98	1.96	2.05	2.08	2.01	2.10	1.61	.96	.81	1.97	1.91	1.99
16	2.05	1.95	1.93	2.08	2.14	2.10	1.58	1.06	.79	2.19	1.96	1.99
17	2.06	1.94	1.91	1.98	2.01	2.11	1.55	1.08	.80	1.93	2.02	1.96
18	1.99	2.00	2.12	2.03	2.11	2.13	1.53	1.05	.88	2.13	2.02	1.93
19	2.11	1.99	2.03	2.03	2.02	2.12	1.51	1.01	.88	2.07	1.98	1.94
20	2.07	2.00	2.15	2.17	2.16	2.11	1.49	.96	.90	2.14	1.97	1.89
21	2.01	1.98	2.12	1.95	2.06	2.11	1.46	.92	1.46	2.05	2.03	1.87
22	1.98	1.99	1.85	2.05	2.16	2.12	1.44	.91	1.75	1.94	2.00	1.99
23	2.06	2.00	2.03	2.14	2.01	2.11	1.40	.89	1.67	1.93	1.95	1.93
24	2.06	2.03	2.17	1.90	2.04	2.08	1.36	.96	2.03	1.88	1.91	2.06
25	2.09	1.99	2.08	2.12	2.03	2.04	1.34	1.18	2.09	2.04	1.99	1.91
26	1.87	1.99	1.92	2.09	2.00	2.15	1.31	1.20	2.09	1.87	1.90	2.00
27	2.02	2.01	2.16	2.03	1.92	2.04	1.35	1.17	2.08	1.94	1.93	1.99
28	2.09	1.81	1.93	2.15	1.94	2.10	1.37	1.12	2.10	1.87	1.98	1.96
29	1.93	1.96	2.10	1.95	------	2.12	1.33	1.06	2.13	1.94	1.95	2.00
30	2.00	1.87	2.22	1.69	------	2.11	1.31	1.00	2.15	1.97	1.87	1.97
31	2.02	------	1.94	2.08	------	2.10	------	.94	------	1.95	1.91	------
MEAN	2.00	1.97	2.03	2.06	2.04	2.11	1.61	1.07	1.18	1.99	1.93	1.95
MAX	2.11	2.04	2.22	2.24	2.17	2.21	2.08	1.28	2.15	2.19	2.03	2.06
MIN	1.87	1.81	1.85	1.69	1.75	1.96	1.31	.89	.65	1.55	1.71	1.82

CAL YR 1972 MEAN 2.01 MAX 2.38 MIN 1.32
WTR YR 1973 MEAN 1.83 MAX 2.24 MIN .65

02290725 Mowry Canal near Homestead, Fla.

LOCATION.—Lat 25°28'13", long 80°20'47", in E quarter sec.17, T.57 S., R.40 E., Dade County, in control house of salinity-control structure S20F, 0.5 mi (0.8 km) upstream from mouth, and 8 mi (13 km) east of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1954 to March 1970 (gage heights only). April 1970 to current year. Published since October 1962.

GAGE.--Dual water-stage recorder and gate opening recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to June 23, 1966, at site 160 ft (48 m) upstream and at datum 0.15 ft (0.046 m) lower.

EXTREMES.--Current year: Maximum daily discharge, 870 cfs (24.6 cu m/s) Nov. 7; maximum gage height, 2.65 ft (0.808 m) Aug. 21; no flow for many days; minimum gage height, 0.04 ft (0.012 m) June 12.
Period of record: Maximum daily discharge, 1,180 cfs (33.4 cu m/s) Dec. 24, 1971; maximum gage height, 9.25 ft (2.819 m) Sept. 8, 1965; no flow for many days each year; minimum gage height, -1.03 ft (-0.314 m) June 26, May 10, 12, 1971.

REMARKS.--Records fair. Flow is affected by tide and is occasionally reversed. Flow is regulated by operation of salinity-control structure S20F and by some upstream pumpage for irrigation.

WATER TEMPERATURE (°C).--Jan. 2 (1017) 23.0°; Mar. 2 (0930) 22.0°; Apr. 2 (0941) 24.0°; May 1 (1005) 25.0°; May 31 (1105) 29.5°; Sept. 4 (0910) 29.5°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	472	214	136	0	.90	0	0	0	212	275	610
2	254	445	396	1.2	85	.90	0	0	0	173	247	527
3	238	591	329	.20	228	0	0	0	0	166	286	539
4	487	440	171	0	135	0	0	0	0	161	292	500
5	450	277	114	0	0	0	0	0	0	160	218	482
6	390	350	194	0	.80	0	0	0	0	340	392	465
7	391	870	231	0	.40	0	0	.10	0	259	361	551
8	371	682	.80	376	1.3	0	.10	0	0	205	322	505
9	310	561	0	131	2.4	0	0	0	0	271	330	426
10	291	449	221	0	361	0	0	0	0	310	459	367
11	231	451	191	393	154	.30	0	0	0	496	479	228
12	381	377	0	216	1.5	0	0	0	0	346	357	128
13	363	398	.90	14	1.0	0	0	0	0	307	458	258
14	382	511	0	0	.70	0	0	0	0	402	450	392
15	389	500	0	0	168	0	0	0	0	341	446	336
16	388	442	320	0	238	0	0	0	0	319	426	325
17	330	398	264	0	108	0	0	0	0	322	276	375
18	219	320	265	0	113	0	0	0	0	256	288	301
19	211	413	179	0	48	0	0	0	0	225	467	337
20	121	473	193	98	290	0	0	.20	0	200	459	382
21	415	273	279	58	134	0	0	0	0	195	696	149
22	361	169	478	44	.90	0	0	0	91	226	663	617
23	356	458	454	90	.40	0	0	0	306	188	523	301
24	281	391	323	108	126	0	0	0	209	292	516	454
25	291	490	325	48	286	0	0	0	206	195	409	362
26	260	517	217	47	463	248	0	0	188	185	390	502
27	239	500	78	1.7	363	71	0	.20	189	215	405	306
28	206	457	2.2	154	217	0	.10	.30	184	273	330	438
29	531	419	335	127	------	0	0	.40	356	286	396	408
30	865	312	240	.30	------	0	0	0	333	235	607	368
31	592	------	225	0	------	0	------	0	------	224	669	------
TOTAL	10,904	13,406	6,239.9	2,043.40	3,526.40	321.10	.20	1.20	2,062	7,985	12,892	12,029
MEAN	352	447	201	65.9	126	10.4	.01	.04	68.7	258	416	401
MAX	865	870	478	393	463	248	.10	.40	356	496	696	617
MIN	121	169	0	0	0	0	0	0	0	160	218	128
AC-FT	21,630	26,590	12,380	4,050	6,990	637	.40	2.38	4,090	15,140	25,570	23,860

CAL YR 1972 TOTAL 85,582.9 MEAN 235 MAX 884 MIN 0 AC-FT 170,500
WTR YR 1973 TOTAL 71,410.2 MEAN 196 MAX 870 MIN 0 AC-FT 134,600

02290725 Mowry Canal near Homestead, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.78	1.33	1.32	1.12	1.42	1.41	1.30	.45	.32	1.79	1.76	1.79
2	1.81	1.27	1.32	1.36	1.28	1.45	1.29	.43	.26	1.77	1.75	1.76
3	1.82	1.20	1.13	1.40	1.21	1.46	1.29	.41	.22	1.77	1.72	1.74
4	1.79	1.15	1.21	1.45	1.14	1.48	1.25	.40	.24	1.79	1.74	1.71
5	1.79	1.36	1.43	1.46	1.36	1.47	1.19	.43	.31	1.77	1.77	1.71
6	1.88	1.47	1.38	1.46	1.37	1.45	1.15	.41	.22	1.75	1.76	1.71
7	1.88	1.21	1.18	1.46	1.38	1.45	1.12	.37	.23	1.77	1.75	1.74
8	1.88	1.12	1.54	1.33	1.37	1.43	1.10	.34	.32	1.78	1.77	1.72
9	1.85	1.25	1.57	1.21	1.41	1.43	1.11	.32	.25	1.76	1.74	1.77
10	1.82	1.23	1.36	1.43	.99	1.42	1.22	.29	.19	1.73	1.74	1.80
11	1.83	1.22	1.22	1.29	1.12	1.40	1.13	.23	.12	1.67	1.71	1.87
12	1.84	1.19	1.50	1.29	1.41	1.36	1.08	.20	.04	1.73	1.73	2.06
13	1.85	1.25	1.56	1.22	1.45	1.33	1.03	.15	.12	1.76	1.71	1.95
14	1.80	1.23	1.58	1.19	1.47	1.32	.97	.23	.31	1.72	1.71	1.78
15	1.74	1.23	1.60	1.19	1.34	1.28	.92	.59	.45	1.71	1.72	1.76
16	1.74	1.27	1.35	1.20	1.20	1.27	.90	.80	.40	1.71	1.71	1.78
17	1.76	1.29	1.15	1.20	1.31	1.33	.89	.76	.36	1.68	1.79	1.76
18	1.81	1.25	1.22	1.19	1.21	1.37	.86	.66	.55	1.74	1.79	1.80
19	1.83	1.21	1.26	1.14	1.35	1.33	.82	.61	.78	1.78	1.78	1.79
20	1.85	1.17	1.31	1.12	1.20	1.28	.78	.54	1.11	1.80	1.82	1.71
21	1.95	1.38	1.13	1.13	1.25	1.37	.77	.48	1.41	1.74	1.83	1.71
22	1.93	1.55	1.09	1.25	1.45	1.36	.72	.47	1.51	1.73	1.85	1.81
23	1.86	1.17	1.09	1.30	1.50	1.31	.68	.47	1.65	1.74	1.76	1.81
24	1.86	1.17	1.07	1.21	1.38	1.26	.64	.57	1.72	1.68	1.73	1.84
25	1.81	1.22	1.06	1.28	1.14	1.24	.62	.80	1.76	1.70	1.80	1.82
26	1.81	1.19	1.07	1.22	1.11	1.24	.61	.76	1.77	1.74	1.81	1.79
27	1.83	1.15	1.21	1.43	1.09	1.21	.62	.69	1.73	1.73	1.81	1.78
28	1.80	1.08	1.41	1.22	1.11	1.36	.59	.61	1.78	1.73	1.71	1.80
29	1.62	1.07	1.22	1.18	------	1.34	.53	.53	1.79	1.71	1.79	1.81
30	1.27	1.12	1.12	1.36	------	1.34	.49	.46	1.74	1.76	1.82	1.81
31	1.32	------	1.10	1.38	------	1.31	------	.40	------	1.77	1.78	------
MEAN	1.79	1.23	1.28	1.28	1.29	1.36	.92	.48	.79	1.74	1.76	1.79
MAX	1.95	1.55	1.60	1.46	1.50	1.48	1.30	.80	1.79	1.80	1.85	2.06
MIN	1.27	1.07	1.06	1.12	.99	1.21	.49	.15	.04	1.67	1.71	1.71

CAL YR 1972 MEAN 1.51 MAX 1.95 MIN 1.06
WTR YR 1973 MEAN 1.31 MAX 2.06 MIN .04

02290732 Biscayne Bay near Homestead, Fla.

LOCATION.--Lat 25°27'45", long 80°20'16", in NE quarter sec.21, T.57 S., R.40 E., Dade County, on south bank of North Canal, 800 ft (244 m) upstream from mouth, 3,500 ft (1,067 m) downstream from salinity control structure, and 9 mi (14 km) east of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1946 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Feb. 24, 1950, at datum 0.66 ft (0.201 m) higher.

EXTREMES.--Current year: Maximum gage height, 2.90 ft (0.884 m) Oct. 21; minimum, -0.98 ft (-0.299 m) June 27.
Period of record: Maximum gage height, 9.82 ft (2.993 m) Sept. 8, 1965, from hurricane tide floodmark; minimum, -1.56 ft (-0.475 m) Apr. 11, 1956.

REMARKS.--Gage records water levels and tidal fluctuations in lower Biscayne Bay.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.75	2.01	1.24	1.35	1.67	1.70	1.75	1.93	1.55	1.27	1.82	1.85
2	1.68	2.14	1.37	1.38	1.31	1.79	2.18	1.74	1.55	1.37	1.85	1.74
3	1.88	1.75	1.48	1.67	1.20	1.96	2.07	1.45	1.68	1.43	1.55	1.62
4	1.83	1.75	1.56	1.45	1.35	2.02	1.77	1.43	1.84	1.34	1.70	1.43
5	2.00	1.65	1.44	1.49	1.59	2.14	1.64	1.56	1.52	1.42	1.09	1.45
6	2.36	1.68	1.31	1.58	1.36	1.98	1.70	1.72	1.36	1.20	1.05	1.58
7	2.47	1.68	1.09	1.61	1.32	1.91	1.93	1.49	1.47	1.22	1.12	1.59
8	2.64	1.50	1.38	1.67	1.38	1.88	1.52	1.43	1.37	1.12	1.13	1.60
9	2.41	1.85	1.34	1.57	1.49	1.99	1.60	1.20	1.26	1.14	1.01	1.68
10	2.26	1.82	1.23	1.73	1.11	1.64	1.41	1.17	1.25	1.21	1.12	1.85
11	2.29	1.75	1.42	1.75	1.53	1.54	1.50	1.17	1.32	1.07	1.23	1.91
12	2.33	1.75	1.63	1.91	1.92	1.30	1.50	1.16	1.23	.77	1.36	2.19
13	2.23	1.88	1.48	1.82	2.10	1.46	1.38	1.05	1.18	.87	1.48	2.08
14	2.10	1.65	1.33	1.93	2.18	1.55	1.68	.99	1.19	1.07	1.55	1.77
15	1.79	1.66	1.48	1.92	1.92	1.78	1.96	1.09	1.11	1.21	1.53	1.93
16	1.66	1.90	1.60	2.06	1.86	1.78	1.85	.99	1.21	1.30	1.62	2.01
17	1.59	1.96	2.12	2.19	2.00	1.49	1.92	1.25	1.17	1.36	1.89	1.78
18	1.75	2.01	2.25	2.18	2.05	1.70	1.66	1.04	1.04	1.60	2.01	1.65
19	1.92	2.02	2.13	2.06	2.11	1.88	1.76	1.14	1.25	1.77	1.92	1.51
20	2.49	2.13	1.98	1.87	2.04	1.79	1.76	1.18	1.09	1.88	1.86	1.68
21	2.90	1.89	2.11	2.05	1.88	1.68	1.97	1.25	1.15	1.88	1.84	1.83
22	2.87	1.80	1.50	1.88	1.87	1.40	1.86	1.24	.85	1.83	1.88	2.05
23	2.83	1.82	1.47	1.44	1.89	1.47	1.48	1.28	.79	1.37	1.75	2.03
24	2.67	1.76	1.36	1.37	1.66	1.66	1.34	1.32	.69	1.37	1.57	2.03
25	2.34	2.10	1.40	1.53	1.46	1.80	1.43	1.27	.89	1.46	1.95	2.18
26	2.20	1.81	1.64	1.50	1.38	1.43	1.45	1.29	.92	1.47	1.90	2.05
27	2.09	1.45	1.54	1.28	1.23	1.47	1.40	1.36	.86	1.48	2.00	2.14
28	1.60	1.19	1.44	1.24	1.63	1.68	1.39	1.29	.92	1.61	2.00	2.01
29	1.51	1.20	1.55	1.02	------	1.70	1.50	1.16	.99	1.80	2.02	2.20
30	1.70	1.15	1.73	.97	------	1.89	1.79	1.38	1.20	1.99	2.20	1.97
31	1.65	------	1.61	1.62	------	1.85	------	1.45	------	1.85	1.98	------
MEAN	2.12	1.76	1.56	1.65	1.66	1.72	1.67	1.31	1.20	1.41	1.64	1.85
MAX	2.90	2.14	2.25	2.19	2.18	2.14	2.18	1.93	1.84	1.99	2.20	2.20
MIN	1.51	1.15	1.09	.97	1.11	1.30	1.34	.99	.69	.77	1.01	1.43

CAL YR 1972 MEAN 1.60 MAX 2.90 MIN .79
WTR YR 1973 MEAN 1.63 MAX 2.90 MIN .69

02290732 Biscayne Bay near Homestead, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.25	-.48	-.22	.10	.20	-.11	-.06	-.42	-.61	-.18	.13
2	.06	.32	-.26	-.31	-.34	.16	.01	-.35	-.42	-.55	-.14	.19
3	.08	.15	-.30	-.14	-.60	-.06	-.10	-.58	-.14	-.42	-.22	.08
4	.10	-.01	-.07	-.26	-.59	.11	-.54	-.68	-.28	-.42	-.17	-.04
5	.03	-.24	-.28	-.33	-.41	-.01	-.37	-.37	-.24	-.32	-.41	.12
6	.28	-.08	-.35	-.29	-.50	-.14	-.17	-.28	-.29	-.40	-.33	.14
7	.39	-.07	-.69	-.32	-.56	-.16	-.15	-.21	-.25	-.33	-.25	.14
8	.61	-.40	-.21	-.32	-.37	-.09	-.34	-.40	-.29	-.38	-.25	.11
9	.46	-.04	-.22	-.30	-.39	-.17	-.31	-.43	-.33	-.36	-.40	.04
10	.52	.20	-.40	-.01	-.47	-.29	-.25	-.54	-.26	-.30	-.39	-.06
11	.66	.15	-.13	.02	-.04	-.32	-.03	-.50	-.32	-.65	-.18	-.10
12	.65	.16	.11	-.10	-.13	-.15	-.11	-.43	-.32	-.84	-.35	.23
13	.84	.44	-.11	.34	.10	-.33	-.26	-.55	-.53	-.84	-.18	.15
14	.65	.06	-.12	.06	.38	-.08	-.20	-.69	-.55	-.65	-.14	-.10
15	.27	.19	-.02	.09	-.05	-.06	.27	-.67	-.64	-.41	-.18	-.15
16	.19	.23	-.46	-.12	-.16	-.11	-.10	-.54	-.49	-.32	-.01	-.09
17	.10	.18	-.04	.04	-.13	-.35	.06	-.49	-.57	-.16	.19	-.09
18	.16	.07	.48	.14	-.13	-.18	-.11	-.60	-.41	.07	.09	-.16
19	.14	-.05	-.12	-.11	.13	-.20	-.17	-.51	-.45	.12	.04	-.19
20	.12	-.21	-.28	-.21	.01	-.21	.16	-.49	-.37	.15	.02	-.11
21	1.04	-.31	-.12	-.11	.06	-.49	.36	-.32	-.55	.16	.20	.08
22	.83	-.35	-.36	-.17	.14	-.15	.15	-.23	-.61	-.15	.11	.25
23	.48	-.28	-.51	-.37	.11	-.11	-.16	-.22	-.65	-.37	-.13	.09
24	.33	-.24	-.52	-.28	.06	.25	.03	-.07	-.75	-.32	-.11	-.04
25	.03	.01	-.33	.08	.14	.30	.24	-.14	-.64	-.32	.06	.11
26	.11	-.09	-.27	.18	.13	-.11	.14	-.29	-.64	-.42	.01	.06
27	.18	-.05	-.05	-.19	-.22	.15	-.33	-.33	-.98	-.47	.03	.17
28	-.11	-.24	.14	-.17	-.18	.48	-.28	-.46	-.88	-.41	.06	.17
29	-.11	-.26	-.16	-.59	------	.43	-.21	-.62	-.91	-.37	.03	.22
30	-.04	-.36	.20	-.43	------	.15	-.20	-.63	-.74	-.09	-.07	.09
31	.24	------	.14	-.39	------	.15	------	-.44	------	-.13	-.09	------
MEAN	.30	-.03	-.19	-.15	-.14	-.04	-.10	-.42	-.50	-.34	-.11	.05
MAX	1.04	.44	.48	.34	.38	.48	.36	-.06	-.14	.16	.20	.25
MIN	-.11	-.40	-.69	-.59	-.60	-.49	-.54	-.69	-.98	-.84	-.41	-.19

CAL YR 1972 MEAN -.18 MAX 1.04 MIN -1.22
WTR YR 1973 MEAN -.14 MAX 1.04 MIN -.98

02290734 Grand Canal near Florida City, Fla.

LOCATION.--Lat 25°25'07", long 80°19'53", in SW quarter sec.34, T.57 S., R.40 E., Dade County, near right bank, 0.25 mi (0.40 km) upstream from mouth, 9.5 mi (15.3 km) east of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--September 1972 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum daily discharge for the period Sept. 18-30, 1,100 cfs (31.2 cu m/s) Sept. 19; maximum gage height, 2.28 ft (0.695 m) Sept. 23; minimum daily discharge, 200 cfs (5.66 cu m/s) Sept. 27; minimum gage height, 0.51 ft (0.155 m) Sept. 23.

Current year: Maximum daily discharge, 1,410 cfs (39.9 cu m/s) Apr. 8; maximum gage height, 2.70 ft (0.823 m) Oct. 21; maximum daily reverse flow, 1,350 cfs (38.2 cu m/s) Feb. 17; minimum gage height, -0.09 ft (-0.027 m) Dec. 7.

Period of record: Maximum daily discharge, 1,410 cfs (39.9 cu m/s) Apr. 8, 1973; maximum gage height, 2.70 ft (0.823 m) Oct. 21, 1972; maximum daily reverse flow, 1,350 cfs (38.2 cu m/s) Feb. 17, 1973; minimum gage height, -0.09 ft (-0.027 m) Dec. 7, 1972.

REMARKS.--Record fair. Flow affected at times by tide and is occasionally reversed. Discharge computed from continuous velocity record obtained from recording deflection meter. See following page for tables of gage heights and discharge.

DISCHARGE, IN CUBIC FEET PER SECOND, SEPTEMBER 1973

Sept. 18	876	Sept. 23	423	Sept. 27	200
19	1100	24	788	28	507
20	916	25	378	29	365
21	476	26	467	30	350
22	232				

GAGE HEIGHT, IN FEET, SEPTEMBER 1973

Sept. 18	1.20	Sept. 23	1.32	Sept. 27	1.32
19	1.23	24	1.35	28	1.16
20	1.29	25	1.42	29	1.11
21	1.39	26	1.35	30	1.05
22	1.43				

02290734 Grand Canal near Florida City, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.03	1.29	.72	.81	.90	.88	.87	.60	.26	.59	1.02	1.25
2	1.06	1.28	.77	.71	.74	.89	.89	.61	.33	.62	1.00	1.10
3	1.04	1.14	.72	.70	.56	.89	1.11	.45	.35	.75	.93	1.13
4	1.11	1.01	.79	.74	.63	.94	.87	.34	.41	.83	.90	1.08
5	1.08	.91	.76	.68	.73	.96	.73	.40	.42	.88	.84	1.07
6	1.42	.94	.60	.70	.61	1.06	.66	.46	.45	.98	.87	1.06
7	1.55	.95	.42	.72	.56	.98	.68	.45	.45	.99	.85	1.13
8	1.72	.82	.62	.67	.64	.90	.49	.40	.45	.90	.83	1.14
9	1.58	1.12	.63	.72	.77	.94	.59	.40	.45	.87	.66	1.16
10	1.54	1.18	.56	.89	.54	.86	.57	.30	.49	.84	.66	1.16
11	1.57	1.14	.73	.91	.84	.78	.58	.26	.38	.83	.70	1.18
12	1.64	1.12	.94	1.11	1.04	.51	.63	.25	.36	.77	.72	1.16
13	1.68	1.23	.80	1.11	1.23	.55	.53	.23	.41	.55	.83	1.18
14	1.49	1.13	.74	1.15	1.34	.64	.55	.25	.47	.58	.83	1.13
15	1.25	1.12	.74	1.12	1.14	.66	.81	.30	.38	.66	.85	1.16
16	1.12	1.26	.92	1.09	1.14	.72	.96	.37	.38	.70	.86	1.22
17	1.03	1.28	1.21	1.26	1.22	.71	.98	.41	.34	.73	.90	1.23
18	1.09	1.23	1.39	1.27	1.11	.79	.91	.36	.43	.71	.95	1.19
19	1.12	1.16	1.19	1.08	1.09	.79	.84	.39	.39	.76	1.03	1.12
20	1.31	1.16	1.01	.80	1.16	.83	.84	.33	.41	.84	1.13	1.10
21	2.00	1.05	1.06	1.01	1.09	.81	.88	.35	.51	.99	1.21	1.13
22	1.89	1.02	.79	.94	1.05	.75	.88	.48	.47	1.12	1.27	1.17
23	1.80	1.06	.73	.70	1.06	.72	.78	.52	.53	1.03	1.24	1.36
24	1.66	1.01	.66	.63	1.01	.77	.68	.49	.53	1.00	1.12	1.33
25	1.38	1.13	.74	.73	1.00	.81	.73	.42	.69	.89	1.17	1.35
26	1.33	1.01	.96	.78	1.01	.83	.72	.38	.73	.89	1.16	1.37
27	1.27	.93	1.01	.68	.85	.83	.66	.37	.66	.88	1.15	1.38
28	.96	.67	.96	.61	.77	.89	.60	.38	.57	.95	1.16	1.33
29	.88	.64	.97	.42	------	.91	.58	.33	.53	.97	1.15	1.32
30	1.05	.60	1.06	.45	------	.93	.58	.28	.53	1.00	1.18	1.31
31	1.10	------	.96	.64	------	.95	------	.20	------	1.01	1.15	------
MEAN	1.35	1.05	.84	.83	.92	.82	.74	.38	.46	.84	.98	1.20
MAX	2.00	1.29	1.39	1.27	1.34	1.06	1.11	.61	.73	1.12	1.27	1.38
MIN	.88	.60	.42	.42	.54	.51	.49	.20	.26	.55	.66	1.06

WTR YR 1973 MEAN .87 MAX 2.00 MIN .20

02290734 Grand Canal near Florida City, Fla.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	316	297	334	673	365	345	818	-11	627	970	260	717
2	419	361	569	867	903	334	823	89	526	984	139	1,100
3	412	599	410	955	1,300	460	110	434	546	899	286	937
4	409	663	565	688	861	389	539	744	448	1,180	373	1,070
5	641	679	542	688	869	442	890	709	594	1,110	402	1,260
6	298	531	560	529	968	-7.1	1,110	760	563	948	386	1,000
7	420	824	643	511	875	-126	918	809	576	1,050	536	1,220
8	350	749	307	781	688	-96	1,410	893	632	1,080	400	1,080
9	377	453	325	498	-142	-1.2	1,290	542	851	1,180	890	796
10	221	499	471	412	270	-62	1,270	642	405	990	1,080	985
11	188	680	94	533	-436	-70	1,280	665	611	1,200	875	786
12	103	502	153	553	-531	484	1,280	631	460	1,010	1,110	960
13	575	322	282	425	-872	893	1,240	713	344	1,060	625	1,180
14	427	609	408	453	-859	769	1,360	663	559	915	753	1,310
15	399	473	408	419	-419	835	1,240	620	744	596	1,120	1,160
16	526	394	289	301	-843	816	963	813	675	542	1,070	902
17	422	328	552	-42	-1,350	1,010	633	631	995	580	967	1,090
18	445	372	86	265	-190	914	663	698	718	846	910	1,110
19	419	328	246	62	833	1,050	792	436	906	582	852	1,120
20	206	439	565	623	179	907	829	310	885	761	750	1,260
21	-32	536	559	377	946	904	848	526	882	1,030	1,010	1,250
22	170	574	822	582	987	913	775	252	887	854	872	1,200
23	277	584	948	826	996	910	659	54	992	813	664	534
24	651	508	923	816	945	926	573	44	935	930	1,150	1,130
25	817	122	785	546	595	805	448	194	1,060	1,150	853	1,150
26	665	495	744	621	392	984	385	193	929	987	1,200	1,010
27	763	573	715	731	440	918	289	179	1,000	1,040	996	1,130
28	982	507	719	931	352	865	184	72	1,150	894	892	1,020
29	608	583	477	1,130	------	752	114	145	1,080	728	1,260	1,170
30	408	500	488	858	------	821	25	199	949	503	995	1,270
31	531	------	610	481	------	633	------	455	------	451	1,030	------
TOTAL	13,413	15,084	15,599	18,093	8,122	18,716.7	23,758	14,104	22,529	27,863	24,706	31,907
MEAN	433	503	503	584	290	604	792	455	751	899	797	1,064
MAX	982	824	948	1,130	1,300	1,050	1,410	893	1,150	1,200	1,260	1,310
MIN	-32	122	86	-42	-1,350	-126	25	-11	344	451	139	534

WTR YR 1973 TOTAL 233,894.7 MEAN 641 MAX 1,410 MIN -1,350

02290739 Card Sound Canal near Florida City, Fla.

LOCATION.--Lat 25°20'49", long 80°20'08", in SE quarter sec.28, T.58 S., R.40 E., Dade County, near right bank, 0.25 mi (0.40 km) upstream from mouth, 11.5 mi (18.5 km) southeast of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1972 to current year.

GAGE.--Water-stage and deflection-meter recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum daily discharge for the period July to September 1972, 3,500 cfs (99.1 cu m/s) Sept. 29; maximum gage height, 1.93 ft (0.588 m) Sept. 23; minimum daily discharge, 1,350 cfs (38.2 cu m/s) Aug. 3, 7; minimum gage height, -0.06 ft (-0.018 m) Aug. 11, 13, 14.

Current year: Maximum daily discharge, 2,920 cfs (82.7 cu m/s) Jan. 26; maximum gage height, 2.23 ft (0.680 m) Oct. 21; no flow for many days; minimum gage height, -0.44 ft (-0.134 m) July 13.

Period of record: Maximum daily discharge, 3,500 cfs (99.1 cu m/s) Sept. 29, 1972; maximum gage height, 2.23 ft (0.680 m) Oct. 21, 1972; no flow for many days in 1973; minimum gage height, -0.44 ft (-0.134 m) July 13, 1973.

REMARKS.--Records fair. Flow affected at times by tide and is occasionally reversed. Since Feb. 1973 flow is also affected by earthen dam with gated structure about 800 ft (244 m) upstream. Discharge computed from continuous velocity record obtained from recording deflection meter. See following pages for tables of discharge and gage heights.

DISCHARGE, IN CUBIC FEET PER SECOND, JULY TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											1,650	1,950
2											1,540	2,140
3											1,350	2,240
4											1,420	2,050
5											1,440	1,900
6											1,360	1,810
7											1,350	2,070
8											1,490	2,040
9											1,610	1,970
10											1,740	1,860
11											1,880	2,090
12											1,660	2,370
13											1,730	2,210
14											1,680	2,250
15											1,590	2,270
16											1,520	2,270
17											1,530	2,290
18											1,510	2,410
19										1,890	1,640	2,580
20										2,030	1,570	2,400
21										1,860	1,370	2,470
22										1,630	1,450	2,340
23										1,600	1,510	2,140
24										1,710	1,600	2,230
25										1,770	1,710	2,400
26										1,690	1,700	2,920
27										1,670	1,810	2,890
28										1,570	1,680	2,940
29										1,650	1,660	3,500
30			------							1,770	1,620	3,040
31	------		------		------			------		1,770	1,580	------
TOTAL											48,950	70,040
MEAN											1,579	2,335
MAX											1,880	3,500
MIN											1,350	1,810

02290739 Card Sound Canal near Florida City, Fla.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,170	1,780	1,760	2,490	2,120		0					
2	2,080	1,960	1,800	2,480	2,240		0					
3	2,180	2,160	1,290	2,650	2,360		0					
4	1,980	2,150	1,360	1,970	2,000		0					
5	1,510	1,960	1,990	2,180	1,920		0					
6	1,250	2,290	1,960	2,110	1,290		0					
7	1,440	2,320	1,740	2,020	1,300		0					
8	1,500	2,100	1,690	2,050	1,200		0					
9	1,470	1,790	1,330	2,170	1,300		700					
10	1,770	2,430	1,480	2,150	1,300		1,300					
11	1,750	2,070	1,320	2,130	1,250		1,200					
12	1,150	2,210	1,700	2,110	1,200		1,300					
13	882	2,100	1,570	1,940	1,150		1,200					
14	993	2,040	1,800	1,830	1,100		1,100					
15	1,070	1,800	1,530	1,920	1,100		1,000					
16	979	1,640	1,780	1,750	1,100		500					
17	1,240	975	1,300	1,900	1,000		0					
18	2,410	1,170	1,330	2,160	500		0					
19	2,080	1,620	1,060	2,290	0		0					
20	2,250	2,040	1,220	2,350	0		0					
21	2,000	1,360	1,480	2,220	0		0					
22	1,530	1,300	1,570	2,160	0		0					
23	1,640	1,450	1,810	2,510	0		0					
24	1,300	1,180	1,810	2,690	0		0					
25	1,450	1,140	2,020	2,730	0		0					
26	1,570	1,290	1,960	2,920	0		0					
27	1,760	1,320	1,580	2,830	0		0					
28	2,110	1,260	1,750	2,670	0		0					
29	2,200	1,730	1,860	2,330	------		0					
30	2,010	1,660	1,950	2,550	------		0					
31	1,740	------	1,920	2,720	------		------		------			------
TOTAL	51,464	52,295	50,720	70,980	25,430	0	8,300	0	0	0	0	0
MEAN	1,660	1,743	1,636	2,290	908	0	277	0	0	0	0	0
MAX	2,410	2,430	2,020	2,920	2,360	0	1,300	0	0	0	0	0
MIN	882	975	1,060	1,750	0	0	0	0	0	0	0	0

WTR YR 1973 TOTAL 259,189 MEAN 710 MAX 2,920 MIN 0

10B LAKE OKEECHOBEE AND THE EVERGLADES AREA

02290739 Card Sound Canal near Florida City, Fla.

MAXIMUM GAGE HEIGHT, IN FEET, JULY TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											1.12	.99
2											1.06	1.19
3											1.06	1.38
4											1.05	1.37
5											.93	1.45
6											.95	1.46
7											1.06	1.57
8											.98	1.53
9											.94	1.57
10											.83	1.45
11											.80	1.45
12											.74	1.38
13											.75	1.41
14											.65	1.25
15											.66	1.20
16											.61	1.29
17											.87	1.40
18											.94	1.46
19										1.03	.96	1.63
20										1.14	.93	1.67
21										1.06	.90	1.73
22										.98	.97	1.82
23										1.04	1.02	1.93
24										1.20	1.03	1.91
25										1.19	1.29	1.90
26										1.06	1.28	1.78
27										1.13	1.45	1.59
28										1.12	1.48	1.61
29										1.18	1.29	1.33
30					------					1.24	1.26	1.26
31		------			------		------		------	1.26	1.04	------
MEAN											1.00	1.50
MAX											1.48	1.93
MIN											.61	.99

MINIMUM GAGE HEIGHT, IN FEET, JULY TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											.22	.15
2											.20	.24
3											.18	.44
4											.18	.44
5											.04	.47
6											.05	.53
7											.10	.52
8											.08	.55
9											.05	.63
10											-.01	.56
11											-.06	.56
12											-.04	.50
13											-.06	.57
14											-.06	.44
15											-.04	.43
16											-.04	.47
17											.08	.60
18											.19	.65
19										.38	.18	.74
20										.37	.14	.77
21										.26	.12	.78
22										.25	.08	.75
23										.14	.13	.74
24										.33	.16	.77
25										.22	.33	.77
26										.22	.33	.69
27										.21	.38	.63
28										.25	.41	.65
29										.31	.32	.48
30					------					.38	.27	.42
31		------			------		------		------	.34	.19	------
MEAN											.13	.56
MAX											.41	.78
MIN											-.06	.15

02290739 Card Sound Canal near Florida City, Fla.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.28	1.44	.99	.96	1.17	1.19	1.22	1.32	1.01	.74	1.26	1.25
2	1.30	1.47	.90	.98	.88	1.26	1.53	1.17	1.04	.72	1.18	1.22
3	1.25	1.35	.98	1.17	.82	1.31	1.37	1.06	1.12	.83	1.04	1.06
4	1.36	1.29	1.09	1.02	.93	1.37	1.33	.87	1.12	.77	1.00	1.02
5	1.52	1.16	.96	1.02	1.06	1.33	1.13	.99	.97	.86	.78	.96
6	1.86	1.18	.83	1.06	.91	1.42	1.13	1.03	.85	.82	.71	1.12
7	1.94	1.35	.71	1.11	.83	1.26	1.29	.87	1.01	.80	.80	1.11
8	2.07	1.09	.81	1.22	.88	1.22	.97	.81	.98	.70	.85	1.14
9	1.91	1.38	.86	1.09	.96	1.24	1.01	.67	.88	.64	.71	1.16
10	1.78	1.39	.75	1.25	.71	1.01	.96	.71	.79	.83	.71	1.25
11	1.72	1.37	.94	1.23	1.19	.90	1.01	.64	.86	.70	.81	1.35
12	1.70	1.31	1.15	1.49	1.37	.70	1.05	.67	.78	.38	.83	1.55
13	1.84	1.43	.99	1.43	1.46	.82	.90	.56	.71	.31	.94	1.49
14	1.72	1.28	.84	1.56	1.56	.84	1.03	.56	.66	.52	1.00	1.26
15	1.39	1.30	.91	1.51	1.32	1.08	1.27	.58	.68	.61	1.02	1.26
16	1.26	1.53	1.33	1.55	1.32	1.07	1.17	.65	.73	.76	1.11	1.36
17	1.19	1.57	1.49	1.72	1.51	.90	1.18	.82	.66	.84	1.28	1.30
18	1.29	1.56	1.65	1.66	1.37	1.15	1.20	.66	.65	1.01	1.39	1.25
19	1.37	1.44	1.50	1.48	1.50	1.19	1.11	.75	.71	1.18	1.34	1.05
20	1.79	1.48	1.37	1.32	1.49	1.21	1.17	.75	.62	1.28	1.31	1.09
21	2.23	1.39	1.37	1.43	1.39	1.13	1.35	.80	.62	1.31	1.37	1.23
22	2.19	1.32	1.19	1.31	1.37	.96	1.30	.81	.51	1.22	1.42	1.37
23	2.15	1.33	1.00	.97	1.34	.98	.98	.79	.41	1.15	1.32	1.52
24	2.13	1.30	.94	.94	1.24	1.08	.87	.82	.38	.85	1.08	1.39
25	1.83	1.49	.99	1.09	1.09	1.15	.99	.80	.49	.87	1.34	1.52
26	1.66	1.35	1.21	.99	.96	.96	.97	.78	.58	.91	1.37	1.42
27	1.61	1.12	1.22	.90	.84	1.04	1.02	.85	.47	.96	1.39	1.39
28	1.19	.86	1.10	.83	1.05	1.16	.94	.73	.40	1.02	1.48	1.37
29	1.06	.83	1.17	.73	------	1.20	.93	.72	.51	1.05	1.07	1.53
30	1.26	.80	1.19	.67	------	1.34	1.14	.71	.66	1.15	1.30	1.40
31	1.25	------	1.13	1.08	------	1.29	------	.93	------	1.36	1.21	------
MEAN	1.62	1.31	1.08	1.19	1.16	1.12	1.12	.80	.73	.88	1.11	1.28
MAX	2.23	1.57	1.65	1.72	1.56	1.42	1.53	1.32	1.12	1.36	1.48	1.55
MIN	1.06	.80	.71	.67	.71	.70	.87	.56	.38	.31	.71	.96

WTR YR 1973 MEAN 1.12 MAX 2.23 MIN .31

02290739 Card Sound Canal near Florida City, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.44	.56	.02	.20	.36	.45	.29	.33	.08	-.18	.32	.43
2	.49	.66	.21	.15	.12	.43	.38	.16	.12	-.11	.28	.47
3	.48	.58	.08	.23	.08	.32	.32	-.04	.24	-.02	.20	.31
4	.51	.44	.20	.18	.04	.43	-.05	-.09	.16	.01	.16	.29
5	.49	.22	.14	.17	.14	.36	.20	.08	.11	.03	.01	.29
6	.74	.30	.08	.16	.04	.34	.25	.03	.10	.01	.05	.29
7	.92	.39	-.16	.19	.02	.21	.20	.04	.11	.02	.11	.35
8	1.04	.13	.07	.19	.07	.23	-.09	-.08	.17	-.02	.14	.40
9	.96	.34	.10	.13	.18	.21	.12	.01	.01	-.03	.01	.37
10	.90	.54	.03	.39	.03	.03	.37	-.12	.06	-.04	.01	.36
11	.98	.54	.15	.36	.45	-.01	.19	-.15	.07	.08	.12	.48
12	.99	.49	.36	.73	.43	.11	.28	-.07	.04	-.11	.04	.61
13	1.13	.64	.25	.59	.46	-.08	.15	-.17	-.11	-.44	.15	.58
14	.89	.49	.13	.59	.60	.04	.15	-.22	-.12	-.33	.22	.35
15	.63	.54	.14	.55	.38	.05	.49	-.23	-.13	-.15	.24	.32
16	.53	.55	.00	.41	.39	.19	.22	-.18	.13	.00	.33	.42
17	.46	.65	.69	.52	.40	.07	.29	-.01	-.05	.06	.42	.42
18	.47	.59	.73	.66	.42	.22	.23	-.09	-.12	.17	.49	.28
19	.54	.50	.44	.46	.47	.19	.20	-.07	-.05	.34	.45	.21
20	.53	.36	.33	.36	.50	.20	.40	-.03	-.07	.41	.44	.26
21	1.22	.38	.36	.38	.49	.01	.56	.04	-.09	.49	.53	.38
22	1.16	.34	.15	.29	.50	.18	.34	.06	-.13	.49	.49	.52
23	1.01	.43	.12	.09	.41	.13	.08	.08	-.23	.26	.38	.56
24	.97	.38	.08	.15	.36	.36	.29	.13	-.26	.09	.22	.47
25	.69	.42	.17	.35	.40	.37	.30	.13	-.16	.09	.41	.52
26	.65	.40	.31	.13	.33	.21	.30	.04	-.19	.08	.44	.48
27	.62	.30	.40	.18	.06	.33	.20	.05	-.36	.07	.49	.50
28	.32	.18	.39	.14	.10	.59	.05	-.09	-.30	.07	.54	.46
29	.27	.15	.23	.06	------	.47	.11	-.13	-.33	.11	.47	.58
30	.36	.07	.47	.03	------	.38	.19	-.13	-.16	.14	.39	.50
31	.50	------	.39	.01	------	.44	------	.02	------	.34	.34	------
MEAN	.71	.42	.23	.29	.29	.24	.23	-.02	-.05	.06	.29	.42
MAX	1.22	.66	.73	.73	.60	.59	.56	.33	.24	.49	.54	.61
MIN	.27	.07	-.16	.01	.02	-.08	-.09	-.23	-.36	-.44	.01	.21

WTR YR 1973 MEAN .26 MAX 1.22 MIN -.44

02290750 Card Sound at Model Land Canal, near Florida City, Fla.

LOCATION.--Lat 25°20'42", long 80°20'00", on line between secs.28 and 33, T.58 S., R.40 E., Dade County, near left bank 200 ft (61 m) upstream from mouth of Model Land Canal, 11.8 mi (19.0 km) southeast of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1967 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 2.43 ft (0.741 m) Oct. 21; minimum, -0.19 ft (-0.058 m) June 27.
Period or record: Maximum gage height, 3.49 ft (1.064 m) Dec. 21, 1969; minimum, -0.55 ft (-0.168 m) Apr. 6, 1968.

REMARKS.--Gage records water levels and tidal fluctuations in Biscayne Bay. The stage record published is the maximum and minimum tide event for each calendar day

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.35	1.63	1.14	1.10	1.34	1.38	1.44	1.42	1.14	.87	1.44	1.55
2	1.30	1.63	1.04	1.14	1.06	1.46	1.71	1.32	1.15	.88	1.35	1.48
3	1.40	1.50	1.11	1.33	1.00	1.51	1.59	1.16	1.26	.95	1.23	1.33
4	1.52	1.41	1.21	1.17	1.26	1.61	1.37	1.00	1.26	.92	1.17	1.31
5	1.65	1.30	1.11	1.17	1.11	1.65	1.34	1.12	1.12	.98	.94	1.21
6	2.01	1.34	.98	1.21	1.06	1.61	1.35	1.15	.97	.90	.88	1.39
7	2.11	1.38	.90	1.24	.99	1.49	1.50	1.01	1.13	.94	.98	1.35
8	2.22	1.22	.98	1.37	1.06	1.44	1.19	.95	1.09	.84	1.04	1.37
9	2.03	1.53	1.01	1.24	1.17	1.51	1.25	.83	.96	.80	.89	1.41
10	1.93	1.55	.92	1.42	.92	1.27	1.18	.86	.92	.97	.90	1.43
11	1.88	1.56	1.09	1.42	1.37	1.14	1.23	.81	.94	.83	1.02	1.61
12	1.93	1.48	1.31	1.68	1.61	.96	1.26	.82	.89	.98	.98	1.81
13	2.00	1.61	1.15	1.60	1.73	1.09	1.13	.72	.82	.99	1.12	1.70
14	1.88	1.47	1.01	1.72	1.80	1.10	1.29	.71	.81	.69	1.21	1.36
15	1.52	1.47	1.07	1.67	1.56	1.36	1.51	.57	.83	.92	1.19	1.53
16	1.39	1.71	1.52	1.70	1.54	1.36	1.38	.80	.87	1.00	1.25	1.61
17	1.34	1.73	1.66	1.89	1.68	1.18	1.43	.96	.82	1.14	1.45	1.45
18	1.43	1.71	1.83	1.84	1.62	1.38	1.43	.80	.79	1.21	1.58	1.29
19	1.52	1.61	1.66	1.63	1.71	1.44	1.32	.89	.86	1.36	1.50	1.30
20	1.89	1.63	1.55	1.46	1.71	1.46	1.39	.89	.76	1.45	1.48	1.34
21	2.43	1.54	1.57	1.61	1.61	1.34	1.55	.95	.81	1.47	1.55	1.49
22	2.36	1.47	1.20	1.46	1.60	1.18	1.50	.96	.64	1.45	1.60	1.61
23	2.33	1.49	1.18	1.13	1.55	1.18	1.17	.97	.56	1.02	1.51	1.75
24	2.22	1.46	1.10	1.13	1.44	1.32	1.06	.96	.55	1.08	1.35	1.64
25	1.99	1.65	1.17	1.29	1.32	1.37	1.15	.95	.65	1.10	1.63	1.78
26	1.83	1.53	1.39	1.16	1.19	1.18	1.14	.90	.71	1.14	1.63	1.98
27	1.78	1.28	1.39	1.10	1.06	1.27	1.14	.98	.62	1.17	1.66	1.90
28	1.37	1.02	1.27	1.04	1.28	1.40	1.11	.83	.56	1.25	1.73	1.70
29	1.25	.99	1.35	.89	------	1.43	1.09	.85	.67	1.34	1.67	1.65
30	1.40	.94	1.39	.84	------	1.54	1.27	.84	.80	1.54	1.54	1.63
31	1.39	------	1.31	1.26	------	1.51	------	1.08	------	1.50	1.50	------
MEAN	1.76	1.46	1.24	1.35	1.37	1.36	1.32	.94	.87	1.09	1.32	1.53
MAX	2.43	1.73	1.83	1.89	1.80	1.65	1.71	1.42	1.26	1.54	1.73	1.98
MIN	1.25	.94	.90	.84	.92	.96	1.06	.67	.55	.69	.88	1.21

CAL YR 1972 MEAN 1.25 MAX 2.43 MIN .40
WTR YR 1973 MEAN 1.30 MAX 2.43 MIN .55

02290750 Card Sound at Model Land Canal, near Florida City, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.61	.72	.19	.36	.51	.58	.62	.45	.18	.02	.48	.65
2	.60	.81	.38	.46	.29	.60	.64	.27	.20	.12	.45	.69
3	.59	.71	.23	.40	.24	.52	.51	.05	.34	.18	.38	.57
4	.62	.58	.39	.34	.20	.62	.14	.01	.43	.15	.33	.52
5	.62	.39	.28	.32	.31	.56	.36	.21	.21	.21	.20	.51
6	.86	.45	.23	.32	.20	.55	.42	.18	.22	.14	.21	.52
7	1.05	.53	-.01	.31	.18	.44	.34	.16	.35	.17	.29	.61
8	1.19	.32	.20	.32	.22	.45	.10	.04	.27	.11	.30	.62
9	1.10	.55	.26	.28	.30	.41	.33	.02	.18	.11	.18	.61
10	1.00	.72	.18	.55	.19	.23	.39	.03	.17	.11	.18	.61
11	1.07	.69	.33	.53	.60	.20	.38	-.01	.14	.02	.26	.71
12	1.10	.66	.52	.77	.60	.14	.48	.06	.11	-.12	.19	.82
13	1.25	.79	.40	.83	.67	.35	.36	-.04	.02	-.18	.33	.41
14	1.06	.64	.24	.79	.83	.29	.36	-.08	-.01	-.02	.36	.55
15	.78	.74	.41	.76	.60	.31	.64	-.12	.01	.15	.40	.54
16	.67	.89	.20	.62	.65	.39	.44	-.05	.04	.22	.48	.64
17	.61	.84	.82	.71	.68	.31	.53	.11	.00	.31	.58	.64
18	.63	.76	.92	.83	.63	.46	.41	.01	.08	.47	.65	.51
19	.67	.67	.64	.65	.70	.42	.38	.06	.03	.58	.61	.41
20	.67	.55	.54	.54	.71	.41	.58	.09	.07	.65	.59	.49
21	1.30	.56	.55	.54	.69	.21	.76	.16	-.01	.63	.70	.61
22	1.32	.52	.36	.46	.68	.40	.52	.20	-.10	.51	.67	.74
23	1.21	.61	.28	.27	.62	.33	.28	.20	-.09	.26	.60	.79
24	1.15	.56	.24	.33	.57	.54	.35	.25	-.16	.25	.48	.76
25	.85	.60	.34	.51	.61	.57	.39	.16	-.08	.26	.65	.66
26	.80	.57	.49	.30	.54	.41	.37	.15	-.06	.24	.69	.60
27	.76	.47	.59	.51	.28	.54	.27	.16	-.19	.24	.73	.50
28	.49	.32	.42	.33	.32	.71	.20	.01	-.16	.29	.78	.53
29	.41	.34	.67	.22	------	.75	.24	-.03	-.18	.30	.67	.55
30	.51	.21	.63	.18	------	.58	.32	-.01	-.05	.52	.63	.54
31	.65	------	.56	.17	------	.66	------	.14	------	.52	.60	------
MEAN	.85	.59	.40	.47	.49	.45	.40	.09	.07	.24	.47	.60
MAX	1.32	.89	.92	.83	.83	.75	.76	.45	.43	.65	.78	.82
MIN	.41	.21	-.01	.17	.18	.14	.10	-.12	-.19	-.18	.18	.41

CAL YR 1972 MEAN .40 MAX 1.32 MIN -.46
WTR YR 1973 MEAN .43 MAX 1.32 MIN -.19

02290769 Canal 111 above S-18-C, near Florida City, Fla.

LOCATION.--Lat 25°19'49", long 80°31'31", in NW quarter sec.3, T.59 S., R.38 E., Dade County, at control structure 18-C, 8.5 mi (13.7 km) south of Florida City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Dual water-stage recorder and gate opening indicator. Datum of gage is at mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--5 years, 107 cfs (3.030 cu m/s), 77,460 acre-ft/yr (95.5 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 787 cfs (22.3 cu m/s) Aug. 25; maximum gage height, 2.70 ft (0.823 m) Sept. 25; no flow for many days; minimum gage height, -0.23 ft (-0.070 m) June 13.
Period of record: Maximum daily discharge, 1,680 cfs (47.6 cu m/s) June 21, 1969; maximum gage height, 2.84 ft (0.866 m) June 13, 1969; no flow for many days each year; minimum gage height, -1.53 ft (-0.466 m) May 14, 1971 (estimated).

REMARKS.--Records poor. Flow regulated by S-18-C. Discharge computed from relation between discharge, head, and gate openings at S-18-C.

COOPERATION.--Gate-opening recorder record and record of slot operations furnished by Central and Southern Florida Flood Control District.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	20	11	0					0	3.2	37	416
2	24	18	9.1	0					0	2.7	36	419
3	28	18	7.7	0					0	3.6	33	297
4	177	16	7.1	0					0	4.3	38	390
5	286	15	5.2	0					0	5.3	34	47
6	23	13	4.5	0					0	6.3	31	46
7	26	22	3.9	0					0	6.0	41	59
8	26	29	2.8	0					0	6.7	384	60
9	23	29	2.4	0					0	16	404	57
10	21	28	1.2	0					0	24	559	55
11	21	26	.70	4.1					0	29	625	52
12	36	23	0	10					0	30	381	48
13	34	22	0	9.2					0	28	3.0	46
14	29	24	0	5.6					0	26	4.0	43
15	25	29	0	4.5					0	29	4.4	46
16	23	29	0	3.7					0	66	4.9	45
17	20	25	0	2.6					0	61	6.4	43
18	20	23	0	1.7					0	59	7.7	42
19	17	21	0	1.3					0	52	9.6	40
20	16	19	0	.40					0	25	11	45
21	31	20	0	0					0	30	444	38
22	31	18	.20	0					0	41	298	39
23	28	15	1.5	0					0	69	7.5	42
24	27	14	1.3	0					0	73	701	162
25	26	12	.30	0					0	72	787	583
26	23	14	0	0					0	38	409	486
27	20	15	0	0					0	37	14	55
28	19	12	0	0					.60	44	13	54
29	19	9.7	0	0	------				1.3	50	180	50
30	21	9.8	0	0	------				2.4	48	282	47
31	21	------	0	0	------		------		------	41	534	------
TOTAL	1,164	588.5	58.90	43.10	0	0	0	0	4.30	1,026.1	6,323.5	3,852
MEAN	37.5	19.6	1.90	1.39	0	0	0	0	.14	33.1	204	128
MAX	286	29	11	10	0	0	0	0	2.4	73	787	583
MIN	16	9.7	0	0	0	0	0	0	0	2.7	3.0	38
AC-FT	2,310	1,170	117	85	0	0	0	0	8.5	2,040	12,540	7,640

CAL YR 1972 TOTAL 51,426.30 MEAN 141 MAX 1,570 MIN 0 AC-FT 102,000
WTR YR 1973 TOTAL 13,060.40 MEAN 35.8 MAX 787 MIN 0 AC-FT 25,910

02290769 Canal 111 above S-18-C, near Florida City, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.32	2.29	2.19	1.83	1.76	1.59	1.09	.23	.13	2.08	2.44	2.38
2	2.33	2.27	2.17	1.82	1.76	1.56	1.08	.15	.07	2.07	2.43	2.39
3	2.36	2.27	2.15	1.81	1.83	1.54	1.03	.14	.00	2.09	2.41	2.51
4	2.34	2.24	2.14	1.79	1.84	1.52	.98	.12	.10	2.10	2.45	2.29
5	2.11	2.24	2.12	1.77	1.79	1.50	.96	.11	.17	2.12	2.42	2.52
6	2.32	2.21	2.11	1.75	1.77	1.48	.93	.12	.08	2.13	2.39	2.51
7	2.35	2.30	2.10	1.74	1.73	1.46	.88	.08	.01	2.13	2.47	2.60
8	2.34	2.38	2.07	1.72	1.71	1.45	.86	.05	.02	2.14	2.44	2.61
9	2.31	2.37	2.06	1.72	1.68	1.43	.90	.01	.00	2.24	2.27	2.58
10	2.30	2.36	2.03	1.71	1.85	1.40	1.01	-.02	-.04	2.33	2.35	2.57
11	2.30	2.34	2.02	1.96	1.82	1.36	.93	-.04	-.10	2.37	2.06	2.55
12	2.43	2.32	1.99	2.18	1.75	1.34	.86	-.08	-.17	2.38	2.07	2.52
13	2.42	2.31	1.97	2.17	1.72	1.31	.82	-.13	-.10	2.36	2.38	2.51
14	2.37	2.33	1.96	2.12	1.71	1.28	.79	-.14	.09	2.35	2.40	2.49
15	2.34	2.37	1.94	2.11	1.80	1.23	.77	.24	.33	2.37	2.40	2.50
16	2.32	2.37	1.97	2.09	1.81	1.20	.74	.72	.41	2.39	2.41	2.50
17	2.29	2.33	1.94	2.07	1.78	1.31	.72	.60	.53	2.35	2.43	2.48
18	2.29	2.31	1.88	2.04	1.72	1.25	.68	.53	.92	2.33	2.45	2.48
19	2.26	2.30	1.86	2.03	1.80	1.20	.62	.44	1.10	2.31	2.47	2.46
20	2.24	2.28	1.84	2.01	1.84	1.17	.58	.35	1.27	2.33	2.49	2.50
21	2.39	2.28	1.80	1.97	1.81	1.33	.54	.50	1.52	2.38	2.34	2.45
22	2.39	2.27	1.96	1.94	1.76	1.31	.49	.74	1.54	2.47	2.23	2.45
23	2.36	2.24	2.04	1.94	1.72	1.25	.43	.76	1.70	2.48	2.45	2.48
24	2.35	2.23	2.03	1.92	1.69	1.19	.39	.89	1.95	2.50	2.17	2.51
25	2.34	2.20	2.01	1.91	1.68	1.14	.35	.76	1.96	2.47	2.11	2.35
26	2.32	2.22	1.99	1.88	1.68	1.27	.31	.62	1.95	2.44	2.22	2.34
27	2.29	2.24	1.96	1.87	1.66	1.29	.32	.54	1.94	2.43	2.52	2.57
28	2.28	2.21	1.91	1.84	1.63	1.24	.33	.46	2.01	2.49	2.51	2.56
29	2.27	2.18	1.89	1.83	------	1.16	.28	.38	2.03	2.54	2.44	2.53
30	2.30	2.18	1.87	1.81	------	1.13	.24	.28	2.06	2.52	2.29	2.51
31	2.30	------	1.85	1.78	------	1.11	------	.22	------	2.47	2.32	------
MEAN	2.32	2.28	1.99	1.91	1.75	1.32	.70	.31	.78	2.33	2.36	2.49
MAX	2.43	2.38	2.19	2.18	1.85	1.59	1.09	.89	2.06	2.54	2.52	2.61
MIN	2.11	2.18	1.80	1.71	1.63	1.11	.24	-.14	-.17	2.07	2.06	2.29

CAL YR 1972 MEAN 2.09 MAX 2.50 MIN .85
WTR YR 1973 MEAN 1.71 MAX 2.61 MIN -.17

02290800 Taylor Slough near Homestead, Fla.

LOCATION.--Lat 25°24'05", long 80°36'25", in NE quarter sec.10, T.58 S., R.37 E., Dade County, at upstream (north) side of bridge on State Highway 27, in Everglades National Park, 1.5 mi (2.4 km) north of Royal Palm Ranger Station, 9 mi (14 km) southwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Oct. 1, 1965, at datum 1.19 ft (0.363 m) lower.

AVERAGE DISCHARGE.--13 years, 41.3 cfs (1.170 cu m/s), 29,900 acre-ft/yr (36.9 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 188 cfs (5.32 cu m/s), gage height, 4.36 ft (1.329 m) Sept. 7,8; no flow for many days; minimum gage height, -0.39 ft (-0.119 m) June 13-15.
Period of record: Maximum discharge, 808 cfs (22.9 cu m/s) Sept. 23-25, 1960, gage height, 5.28 ft (1.609 m) present datum; no flow for many days in most years; minimum gage height, -1.67 ft (-0.509 m) estimated, present datum May 14, 1971.

REMARKS.--Records good. Figures of daily discharge consist of runoff from Taylor Slough, as represented by the flow through all the outlets for a distance of some 3 mi (5 km) along State Highway 27 in the Everglades National Park. During periods of extreme high water possibly some flow is diverted from Shark River Slough.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	9.3								0	54	113
2	17	8.0								0	52	118
3	16	6.4								0	51	130
4	24	5.1								0	47	138
5	30	3.5								0	45	138
6	43	2.5								0	39	141
7	43	5.9								0	39	184
8	39	9.9								1.5	46	184
9	35	12								6.1	55	176
10	30	11								6.7	70	162
11	25	10								11	89	144
12	24	9.6								19	95	130
13	23	8.7								21	95	127
14	20	8.7								22	89	127
15	17	12								22	97	113
16	15	15								22	84	99
17	15	14								21	69	89
18	12	13								19	59	104
19	10	11								21	59	99
20	8.7	9.6								32	57	95
21	32	8.2								30	68	89
22	34	6.9								32	89	84
23	30	5.9								32	84	83
24	25	4.8								34	118	83
25	21	3.8								31	162	84
26	18	3.8								27	153	95
27	15	3.5								29	135	110
28	13	2.5								32	113	120
29	12	1.7			------					40	104	120
30	14	.72			------					57	100	113
31	11	------			------		------		------	57	99	------
TOTAL	690.7	227.02	0	0	0	0	0	0	0	625.3	2,516	3,592
MEAN	22.3	7.57	0	0	0	0	0	0	0	20.2	81.2	120
MAX	43	15	0	0	0	0	0	0	0	57	162	184
MIN	8.7	.72	0	0	0	0	0	0	0	0	39	83
AC-FT	1,370	450	0	0	0	0	0	0	0	1,240	4,990	7,120

CAL YR 1972 TOTAL 11,230.72 MEAN 30.7 MAX 287 MIN 0 AC-FT 22,280
WTR YR 1973 TOTAL 7,651.02 MEAN 21.0 MAX 184 MIN 0 AC-FT 15,180

02290800 Taylor Slough near Homestead, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.32	2.98	2.62	2.13	2.02	1.76	1.17	.12	-.28	2.18	3.56	4.16
2	3.26	2.93	2.57	2.12	2.02	1.73	1.14	.10	-.31	2.23	3.54	4.17
3	3.25	2.87	2.54	2.07	2.07	1.71	1.11	.07	-.35	2.30	3.52	4.21
4	3.40	2.82	2.51	2.07	2.09	1.68	1.07	.04	-.36	2.36	3.48	4.24
5	3.50	2.76	2.50	2.04	2.04	1.65	1.03	.01	-.32	2.41	3.44	4.23
6	3.59	2.72	2.49	2.03	2.01	1.62	.99	-.01	-.31	2.45	3.38	4.23
7	3.59	2.84	2.48	2.01	1.98	1.59	.96	-.03	-.32	2.52	3.36	4.35
8	3.55	3.00	2.46	1.98	1.96	1.56	.92	-.05	-.25	2.59	3.45	4.35
9	3.49	3.06	2.44	1.96	1.93	1.54	.88	-.09	-.22	2.86	3.53	4.32
10	3.43	3.05	2.42	1.96	1.95	1.51	.84	-.12	-.23	2.88	3.66	4.27
11	3.36	3.01	2.39	2.18	1.91	1.48	.80	-.15	-.27	3.04	3.77	4.22
12	3.34	2.99	2.36	2.43	1.88	1.45	.76	-.19	-.32	3.24	3.80	4.18
13	3.32	2.96	2.33	2.50	1.86	1.42	.73	-.23	-.37	3.27	3.79	4.18
14	3.26	2.96	2.31	2.48	1.85	1.38	.69	-.24	-.39	3.27	3.76	4.19
15	3.20	3.07	2.30	2.46	1.94	1.35	.65	-.14	-.34	3.27	3.82	4.14
16	3.14	3.14	2.28	2.42	1.96	1.31	.61	-.07	-.18	3.27	3.77	4.08
17	3.14	3.13	2.23	2.40	1.92	1.30	.58	-.05	-.09	3.23	3.70	4.04
18	3.07	3.09	2.19	2.39	1.89	1.28	.55	-.06	.06	3.18	3.64	4.13
19	3.01	3.04	2.17	2.35	1.95	1.25	.51	-.08	.22	3.20	3.66	4.10
20	2.96	2.99	2.14	2.33	2.00	1.21	.47	-.10	.43	3.38	3.66	4.08
21	3.45	2.94	2.13	2.27	1.97	1.21	.43	-.16	.69	3.35	3.77	4.05
22	3.48	2.89	2.26	2.23	1.94	1.21	.39	-.21	.95	3.37	3.94	4.02
23	3.42	2.85	2.34	2.20	1.91	1.19	.35	-.20	1.13	3.35	3.93	4.01
24	3.35	2.81	2.33	2.18	1.88	1.16	.31	-.14	1.31	3.37	4.11	4.01
25	3.29	2.77	2.31	2.18	1.87	1.15	.27	-.07	1.42	3.33	4.30	4.02
26	3.22	2.77	2.29	2.17	1.85	1.21	.23	-.05	1.53	3.27	4.30	4.08
27	3.15	2.76	2.26	2.14	1.82	1.27	.21	-.06	1.59	3.29	4.26	4.16
28	3.09	2.72	2.23	2.12	1.79	1.26	.20	-.08	1.77	3.33	4.19	4.20
29	3.05	2.69	2.21	2.10	------	1.25	.18	-.11	1.99	3.42	4.14	4.20
30	3.11	2.65	2.18	2.07	------	1.23	.15	-.18	2.11	3.60	4.11	4.17
31	3.04	------	2.16	2.04	------	1.20	------	-.22	------	3.60	4.10	------
MEAN	3.28	2.91	2.34	2.19	1.94	1.39	.64	-.09	.34	3.05	3.79	4.16
MAX	3.59	3.14	2.62	2.50	2.09	1.76	1.17	.12	2.11	3.60	4.30	4.35
MIN	2.96	2.65	2.13	1.96	1.79	1.15	.15	-.24	-.39	2.18	3.36	4.01

CAL YR 1972 MEAN 2.76 MAX 4.49 MIN 1.03
WTR YR 1973 MEAN 2.17 MAX 4.35 MIN -.39

02290803 Taylor Slough at Royal Palm near Homestead, Fla.

LOCATION.--Lat 25°24'07", long 80°40'15", in NW quarter sec.7, T.58 S., R.37 E., Dade County, at end of north walkway of Anhinga Trail in Everglades National Park, 1.5 mi (2.4 km) south of State Highway 27, and 9.5 mi (15.3 km) southwest of Homestead.

PERIOD OF RECORD.--February 1968 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 4.12 ft (1.256 m) Sept. 8; minimum, -0.04 ft (-0.012 m) May 14.
Period of record: Maximum gage height, 4.35 ft (1.326 m) July 7, 1968; minimum, -1.50 ft (-0.457 m) May 14, 15, 1971.

REMARKS.--Gage records water levels in the southeastern portion of the Everglades National Park.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	2.75	2.42	1.98	1.88	1.66	1.02	.54	.31	1.97	3.27	3.86
2	2.98	2.70	2.40	1.95	1.88	1.63	1.00	.52	.25	2.01	3.22	3.87
3	2.97	2.64	2.39	1.92	1.91	1.60	.98	.48	.14	2.03	3.20	3.90
4	2.96	2.59	2.35	1.92	1.93	1.56	.93	.47	.22	2.13	3.16	3.94
5	2.98	2.54	2.33	1.90	1.88	1.52	.89	.45	.35	2.19	3.14	3.94
6	3.02	2.52	2.31	1.89	1.87	1.48	.85	.43	.33	2.21	3.08	3.95
7	3.05	2.58	2.30	1.87	1.85	1.46	.82	.41	.18	2.32	3.02	4.09
8	3.06	2.71	2.27	1.84	1.82	1.44	.79	.41	.13	2.37	3.06	4.12
9	3.04	2.78	2.25	1.82	1.80	1.42	.76	.39	.33	2.57	3.12	4.09
10	2.99	2.79	2.22	1.82	1.82	1.39	.73	.36	.29	2.64	3.30	4.06
11	2.94	2.76	2.19	1.98	1.81	1.36	.75	.19	.17	2.74	3.43	4.01
12	2.92	2.74	2.17	2.24	1.78	1.32	1.01	.18	.05	2.88	3.47	3.95
13	2.91	2.73	2.15	2.31	1.77	1.29	1.00	.10	.02	2.92	3.50	3.92
14	2.87	2.75	2.14	2.30	1.75	1.25	.97	.06	.07	2.93	3.46	3.92
15	2.83	2.80	2.12	2.27	1.81	1.21	.95	.24	.29	2.97	3.52	3.88
16	2.80	2.85	2.12	2.23	1.83	1.18	.93	.47	.32	2.99	3.50	3.83
17	2.78	2.83	2.09	2.21	1.80	1.16	.91	.47	.07	2.95	3.44	3.79
18	2.75	2.82	2.05	2.19	1.79	1.17	.89	.45	.51	2.89	3.39	3.75
19	2.72	2.78	2.03	2.16	1.81	1.13	.87	.41	.81	2.90	3.36	3.73
20	2.68	2.73	2.01	2.15	1.84	1.09	.76	.37	1.04	3.02	3.37	3.70
21	2.87	2.70	1.99	2.11	1.83	1.11	.52	.35	1.17	3.04	3.45	3.70
22	3.04	2.66	2.06	2.09	1.81	1.13	.34	.37	1.30	3.06	3.60	3.67
23	3.07	2.61	2.16	2.06	1.78	1.11	.42	.42	1.36	3.05	3.62	3.66
24	3.04	2.58	2.15	2.04	1.76	1.08	.63	.52	1.40	3.06	3.81	3.64
25	3.00	2.55	2.13	2.04	1.75	1.04	.64	.59	1.48	3.05	4.05	3.63
26	2.95	2.54	2.12	2.03	1.74	1.12	.62	.44	1.54	2.98	4.05	3.62
27	2.88	2.56	2.10	2.00	1.72	1.16	.68	.51	1.58	2.98	4.03	3.66
28	2.82	2.52	2.07	1.98	1.70	1.12	.63	.48	1.71	3.03	4.01	3.75
29	2.79	2.49	2.04	1.96	------	1.10	.59	.44	1.80	3.08	3.95	3.79
30	2.82	2.46	2.03	1.93	------	1.06	.55	.41	1.88	3.26	3.90	3.79
31	2.80	------	2.01	1.90	------	1.04	------	.36	------	3.29	3.86	------
MEAN	2.91	2.67	2.17	2.04	1.81	1.27	.78	.40	.70	2.76	3.49	3.84
MAX	3.07	2.85	2.42	2.31	1.93	1.66	1.02	.59	1.88	3.29	4.05	4.12
MIN	2.68	2.46	1.99	1.82	1.70	1.04	.34	.06	.02	1.97	3.02	3.62

CAL YR 1972 MEAN 2.52 MAX 4.25 MIN .86
WTR YR 1973 MEAN 2.07 MAX 4.12 MIN .02

02290810 Everglades P-37 near Homestead, Fla.

LOCATION.--Lat 25°17'30", long 80°40'30", in sec.36, T.59 S., R.36 E., Dade County, in the Everglades, 7.5 mi (12.1 km) southwest of Royal Palm Ranger Station, and 18 mi (29 km) southwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1953 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Oct. 1, 1963, at datum 0.32 ft (0.098 m) lower.

EXTREMES.--Current year: Maximum gage height, 2.03 ft (0.619 m) Sept. 7, 8; minimum, -0.67 ft (-0.204 m) May 18.
Period of record: Maximum gage height, 3.05 ft (0.930 m) present datum Sept. 11, 1960; minimum, -1.97 ft (-0.600 m) May 14, 1971 (estimated).

REMARKS.--Gage records water levels in the southern portion of the Everglades National Park. Elevation of the land surface is about 0.6 ft (0.018 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.57	1.41	1.38	1.18	.16	.57	.74	-.14	-.11	.90	1.47	1.93
2	1.55	1.41	1.43	1.17	.28	.59	.72	-.18	-.10	.90	1.46	1.94
3	1.55	1.41	1.42	1.16	.42	.71	.69	-.21	-.07	.91	1.44	1.98
4	1.60	1.40	1.42	1.16	.36	.76	.66	-.24	-.06	.88	1.42	1.99
5	1.55	1.39	1.42	1.15	.29	.84	.62	-.22	-.11	.88	1.43	1.98
6	1.34	1.38	1.41	1.14	.29	.92	.59	-.06	-.21	.90	1.44	1.97
7	1.53	1.40	1.39	1.14	.31	.97	.57	-.09	-.21	.90	1.47	2.01
8	1.51	1.43	1.38	.20	.32	1.00	.54	-.16	-.10	.89	1.49	2.03
9	1.49	1.46	1.37	.19	.39	.80	.52	-.20	-.04	.91	1.53	2.00
10	1.47	1.46	1.36	.27	.64	.86	.51	-.34	-.21	1.11	1.62	1.97
11	1.45	1.44	1.34	.40	.62	.84	.37	-.39	-.24	1.22	1.68	1.95
12	1.47	1.42	1.33	.42	.36	.82	.34	-.44	-.19	1.41	1.66	1.86
13	1.49	1.39	1.32	.40	.38	.80	.31	-.49	-.06	1.41	1.66	1.77
14	1.49	1.40	1.32	.37	.43	.78	.27	-.53	.02	1.37	1.66	1.75
15	1.47	1.47	1.23	.36	.57	.75	.32	-.56	.19	1.34	1.72	1.73
16	1.46	1.52	1.25	.34	.62	.73	.31	-.59	.22	1.35	1.70	1.71
17	1.47	1.52	1.24	.33	.54	.78	.26	-.63	.26	1.43	1.65	1.69
18	1.46	1.50	1.22	.32	.43	.80	.22	-.37	.27	1.40	1.61	1.67
19	1.44	1.48	1.21	.31	.45	.75	.18	-.32	.27	1.44	1.60	1.68
20	1.42	1.47	1.21	.30	.52	.70	.14	-.30	.28	1.52	1.65	1.69
21	1.52	1.45	1.20	.29	.57	.89	.10	-.28	.36	1.51	1.73	1.75
22	1.58	1.44	1.26	.29	.56	.94	.05	-.29	.34	1.50	1.83	1.77
23	1.58	1.43	1.28	.28	.57	.91	.01	-.26	.38	1.50	1.80	1.82
24	1.55	1.42	1.26	.27	.54	.88	-.02	-.18	.40	1.47	1.83	1.84
25	1.53	1.41	1.25	.29	.53	.84	-.06	-.13	.43	1.44	1.99	1.84
26	1.50	1.42	1.24	.17	.61	.87	-.02	-.11	.46	1.42	1.96	1.81
27	1.48	1.42	1.22	.22	.67	.93	.03	-.07	.52	1.40	1.93	1.84
28	1.47	1.41	1.21	.33	.63	.88	.01	-.05	.75	1.39	1.88	1.81
29	1.45	1.41	1.20	.43	------	.85	-.06	-.05	.87	1.40	1.85	1.78
30	1.44	1.40	1.19	.34	------	.82	-.10	-.09	.89	1.47	1.85	1.76
31	1.42	------	1.19	.15	------	.77	------	-.06	------	1.48	1.88	------
MEAN	1.49	1.43	1.30	.50	.47	.82	.29	-.26	.17	1.26	1.67	1.84
MAX	1.60	1.52	1.43	1.18	.67	1.00	.74	-.05	.89	1.52	1.99	2.03
MIN	1.34	1.38	1.19	.15	.16	.57	-.10	-.63	-.24	.88	1.42	1.67

CAL YR 1972 MEAN 1.22 MAX 1.85 MIN .19
WTR YR 1973 MEAN .92 MAX 2.03 MIN -.63

02290815 Everglades P-33 near Homestead, Fla.

LOCATION.--Lat 25°36'30", long 80°41'30", in sec.11, T.56 S., R.36 E., Dade County, in the Everglades, 13 mi (21 km) southeast of the 40-mile bend of U.S. Highway 41, and 16 mi (26 km) northwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1953 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage and rainfall recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum gage height, 6.52 ft (1.987 m) Nov. 15, 16; minimum, 4.71 ft (1.436 m) June 15.
Period of record: Maximum gage height, 7.80 ft (2.377 m) Oct. 24, 1969; minimum, 2.20 ft (0.671 m) May 29, 1963.

REMARKS.--Gage records water levels in the northern portion of the Everglades National Park. Elevation of the land surface is about 5.2 ft (1.585 m). Stage is affected by operation of several control structures on Tamiami Canal, 10 mi (16 km) to the north.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.18	6.27	6.44	6.29	6.12	5.96	5.77	5.57	4.85	5.70	5.83	6.00
2	6.18	6.28	6.43	6.28	6.11	5.95	5.76	5.56	4.80	5.60	5.82	6.10
3	6.20	6.29	6.43	6.27	6.14	5.93	5.75	5.54	4.76	5.60	5.80	6.18
4	6.25	6.30	6.43	6.27	6.13	5.92	5.73	5.54	4.87	5.60	5.80	6.20
5	6.32	6.31	6.42	6.26	6.13	5.90	5.72	5.53	4.95	5.60	5.87	6.18
6	6.32	6.32	6.42	6.26	6.12	5.89	5.71	5.52	4.88	5.60	5.89	6.15
7	6.29	6.40	6.41	6.25	6.10	5.88	5.70	5.50	4.94	5.60	5.86	6.10
8	6.27	6.45	6.40	6.24	6.10	5.87	5.68	5.48	5.10	5.68	5.82	6.06
9	6.25	6.44	6.40	6.24	6.09	5.86	5.68	5.45	5.05	5.75	5.78	6.04
10	6.23	6.44	6.39	6.23	6.09	5.92	5.67	5.44	4.99	5.70	5.75	6.00
11	6.21	6.43	6.38	6.29	6.08	5.91	5.69	5.41	4.92	5.70	5.75	6.05
12	6.21	6.42	6.37	6.37	6.07	5.90	5.65	5.39	4.86	5.70	5.76	6.09
13	6.20	6.45	6.36	6.37	6.06	5.88	5.64	5.36	4.81	5.72	5.79	6.11
14	6.19	6.48	6.36	6.36	6.05	5.87	5.63	5.38	4.76	5.75	5.80	6.06
15	6.18	6.51	6.34	6.34	6.09	5.86	5.62	5.46	4.77	5.82	5.85	6.05
16	6.17	6.51	6.34	6.33	6.09	5.83	5.61	5.44	4.88	5.85	5.80	6.05
17	6.17	6.51	6.33	6.33	6.07	5.83	5.60	5.41	4.92	5.88	5.78	6.04
18	6.16	6.50	6.32	6.32	6.06	5.82	5.58	5.38	4.91	5.93	5.76	6.04
19	6.16	6.50	6.31	6.31	6.07	5.81	5.57	5.35	4.98	5.92	5.75	6.05
20	6.16	6.50	6.31	6.30	6.06	5.80	5.56	5.32	5.17	5.91	5.78	6.04
21	6.20	6.49	6.30	6.29	6.05	5.80	5.54	5.29	5.49	5.91	5.80	6.04
22	6.21	6.48	6.36	6.28	6.03	5.81	5.53	5.27	5.61	5.91	5.83	6.05
23	6.21	6.48	6.37	6.28	6.02	5.80	5.51	5.25	5.62	5.91	5.88	6.10
24	6.22	6.47	6.36	6.27	6.01	5.79	5.50	5.22	5.68	5.89	5.90	6.20
25	6.23	6.46	6.35	6.27	6.01	5.78	5.48	5.19	5.75	5.87	5.95	6.27
26	6.24	6.47	6.34	6.24	6.01	5.81	5.46	5.16	5.82	5.85	5.92	6.30
27	6.24	6.47	6.32	6.24	5.99	5.83	5.58	5.12	5.80	5.84	5.90	6.28
28	6.24	6.46	6.31	6.24	5.97	5.82	5.60	5.07	5.75	5.84	5.85	6.25
29	6.24	6.45	6.31	6.20	------	5.81	5.60	5.02	5.70	5.83	5.83	6.23
30	6.25	6.45	6.30	6.13	------	5.80	5.59	4.97	5.80	5.84	5.82	6.20
31	6.25	------	6.29	6.12	------	5.78	------	4.91	------	5.84	5.90	------
MEAN	6.22	6.43	6.36	6.27	6.07	5.85	5.62	5.34	5.17	5.78	5.83	6.12
MAX	6.32	6.51	6.44	6.37	6.14	5.96	5.77	5.57	5.82	5.93	5.95	6.30
MIN	6.16	6.27	6.29	6.12	5.97	5.78	5.46	4.91	4.76	5.60	5.75	6.00

CAL YR 1972 MEAN 6.01 MAX 6.51 MIN 5.05
WTR YR 1973 MEAN 5.92 MAX 6.51 MIN 4.76

02290820 Everglades P-38 near Homestead, Fla.

LOCATION.--Lat 25°22'30", long 80°49'00", in sec.33, T.58 S., R.35 E., Dade County, in the Everglades, 12.5 mi (20.1 km) west of Royal Palm Ranger Station, and 22 mi (35 km) southwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1953 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Oct. 1, 1963, at datum 0.41 ft (0.125 m) lower.

EXTREMES.--Current year: Maximum gage height, 2.07 ft (0.631 m) Sept. 14; minimum, -0.53 ft (-0.162 m) June 14.
Period of record: Maximum gage height, 2.92 ft (0.890 m) present datum Sept. 12, 1960; minimum, -1.45 ft (-0.442 m) May 13, 1971.

REMARKS.--Gage records water levels in the southwest portion of the Everglades National Park. Elevation of the land surface is about 0.9 ft (0.274 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.68	1.61	1.55	1.37	1.29	1.14	.76	.33	-.01	1.62	1.71	1.97
2	1.65	1.59	1.53	1.36	1.30	1.13	.74	.28	-.08	1.65	1.71	1.98
3	1.64	1.57	1.52	1.35	1.32	1.11	.71	.24	-.15	1.60	1.69	2.01
4	1.65	1.55	1.52	1.34	1.32	1.10	.68	.24	-.22	1.64	1.66	2.00
5	1.66	1.53	1.51	1.33	1.31	1.08	.64	.26	-.26	1.64	1.63	1.98
6	1.66	1.52	1.49	1.32	1.30	1.07	.61	.21	-.31	1.62	1.59	1.98
7	1.65	1.56	1.48	1.31	1.29	1.05	.58	.16	-.32	1.63	1.56	2.04
8	1.64	1.60	1.47	1.30	1.27	1.04	.56	.12	-.27	1.63	1.60	2.04
9	1.63	1.60	1.46	1.29	1.26	1.01	.55	.06	-.33	1.66	1.71	2.02
10	1.64	1.59	1.45	1.28	1.27	1.00	.54	.03	-.38	1.65	1.72	2.02
11	1.65	1.58	1.44	1.35	1.26	.98	.55	-.01	-.42	1.71	1.74	2.03
12	1.66	1.58	1.44	1.41	1.24	.96	.57	-.06	-.47	1.74	1.75	2.04
13	1.65	1.58	1.43	1.42	1.23	.94	.59	-.11	-.49	1.73	1.78	2.05
14	1.62	1.63	1.43	1.42	1.23	.91	.60	-.10	-.19	1.74	1.77	2.06
15	1.60	1.69	1.41	1.41	1.22	.89	.59	.06	.56	1.74	1.77	2.05
16	1.57	1.71	1.41	1.41	1.21	.86	.62	.03	.62	1.73	1.77	2.02
17	1.55	1.70	1.39	1.40	1.20	.85	.61	-.03	.58	1.72	1.74	1.98
18	1.53	1.69	1.38	1.39	1.18	.82	.57	-.11	.69	1.73	1.74	1.95
19	1.56	1.68	1.37	1.39	1.20	.79	.53	-.17	.98	1.77	1.79	1.92
20	1.70	1.67	1.36	1.38	1.21	.76	.49	-.21	1.08	1.80	1.78	1.92
21	1.80	1.66	1.35	1.37	1.20	.88	.45	-.26	1.19	1.79	1.76	1.95
22	1.77	1.64	1.41	1.36	1.19	.89	.40	-.29	1.22	1.79	1.76	1.92
23	1.74	1.64	1.43	1.35	1.18	.86	.35	.12	1.21	1.79	1.73	1.89
24	1.73	1.62	1.43	1.35	1.17	.84	.31	.58	1.28	1.78	1.81	1.90
25	1.72	1.61	1.42	1.34	1.18	.81	.28	.50	1.39	1.75	1.83	1.91
26	1.70	1.61	1.41	1.33	1.18	.87	.24	.43	1.35	1.71	1.82	1.92
27	1.68	1.60	1.41	1.33	1.17	.88	.52	.36	1.34	1.72	1.80	1.92
28	1.67	1.59	1.40	1.32	1.15	.85	.51	.28	1.44	1.74	1.79	1.90
29	1.66	1.58	1.39	1.31	------	.83	.44	.21	1.51	1.74	1.77	1.88
30	1.65	1.57	1.38	1.30	------	.81	.39	.14	1.55	1.74	1.79	1.85
31	1.63	------	1.38	1.29	------	.78	------	.06	------	1.70	1.89	------
MEAN	1.66	1.61	1.43	1.35	1.23	.93	.53	.11	.47	1.71	1.74	1.97
MAX	1.80	1.71	1.55	1.42	1.32	1.14	.76	.58	1.55	1.80	1.89	2.06
MIN	1.53	1.52	1.35	1.28	1.15	.76	.24	-.29	-.49	1.60	1.56	1.85

CAL YR 1972 MEAN 1.35 MAX 1.94 MIN .07
WTR YR 1973 MEAN 1.23 MAX 2.06 MIN -.49

02290825 Florida Bay at Flamingo, Fla.

LOCATION.--Lat 25°08'37", long 80°55'15", in SW quarter sec.4, T.61 S., R.34 E., Monroe County, on bulkhead of Everglades National Park Rangers' boatdock in Everglades National Park, on Flamingo-Coot Bay Canal, 500 ft (152 m) upstream from mouth, at Flamingo.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1960 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to Apr. 13, 1972, at site 300 ft (91 m) west, and at datum 0.48 ft (0.146 m) lower.

EXTREMES.--Current year: Maximum gage height, 3.79 ft (1.155 m) Apr. 4; minimum, -1.11 ft (-0.388 m) Apr. 15.
Period of record: Maximum gage height, 11.36 ft (3.463 m) present datum Sept. 10, 1960 (from hurricane floodmark); minimum, -2.47 ft (-0.753 m) present datum Jan. 16, 1971.

REMARKS.--Gage records water levels and tidal fluctuations in upper Florida Bay. The stage record published is the maximum and minimum tide event for each calendar day.

MAXIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.83	2.22	1.41	2.55	2.39	1.74	3.17	2.53	2.80	2.96	2.99	2.80
2	2.76	2.57	1.78	2.46	2.71	2.54	3.20	2.59	2.88	2.72	2.81	2.76
3	2.56	2.63	2.13	2.72	3.13	2.80	3.49	2.91	2.89	2.54	2.74	2.76
4	2.49	2.82	2.44	2.40	2.32	2.94	3.79	3.06	2.61	2.47	2.60	2.83
5	2.91	2.65	2.63	2.94	2.40	2.93	3.06	3.07	2.22	2.60	2.24	2.77
6	3.13	2.60	2.79	2.90	2.42	3.10	2.41	2.49	2.13	2.47	2.32	2.44
7	3.19	2.70	2.63	2.73	2.53	3.15	3.25	2.41	2.18	2.43	2.38	2.71
8	3.18	2.55	2.41	3.07	2.71	3.03	3.15	2.34	2.50	2.22	2.34	2.88
9	3.07	2.75	2.35	2.62	3.02	3.10	2.57	2.57	2.31	2.30	2.41	2.90
10	3.08	2.85	2.24	2.56	2.96	2.64	2.23	2.44	2.24	2.47	2.71	3.04
11	2.52	2.80	2.15	2.74	2.17	2.48	2.21	2.38	2.34	3.19	2.59	3.32
12	1.93	2.75	2.04	2.69	2.60	2.29	2.33	2.56	2.47	3.03	2.73	3.54
13	2.22	2.80	2.22	2.19	2.69	2.27	2.32	2.59	2.48	2.69	2.75	3.27
14	2.55	2.90	2.40	2.44	2.48	2.31	2.33	2.63	2.57	2.66	3.00	3.02
15	2.50	2.82	2.76	2.71	3.03	2.39	2.12	2.57	2.64	2.81	2.90	3.02
16	2.67	2.76	2.63	1.87	3.01	2.82	1.94	2.54	2.24	2.82	2.82	3.01
17	2.71	2.90	2.55	2.85	2.62	3.09	2.09	2.59	2.24	2.71	2.40	3.10
18	2.67	3.02	2.57	3.25	2.21	2.53	2.49	2.65	2.23	2.55	2.59	3.07
19	2.86	2.92	3.10	3.45	2.57	2.61	2.54	2.66	2.22	2.59	2.85	2.96
20	2.78	2.90	2.92	3.32	2.81	2.99	2.33	2.64	2.21	2.54	2.84	2.80
21	2.09	2.85	2.85	3.13	2.67	3.41	1.81	2.52	2.20	2.46	2.86	2.72
22	2.61	2.80	2.75	3.26	2.57	2.57	1.79	2.36	2.05	2.69	2.94	2.63
23	3.19	2.77	2.50	2.82	2.43	1.90	2.19	2.41	2.00	2.56	3.07	3.02
24	3.52	2.78	2.47	2.62	2.39	1.55	2.28	2.43	1.99	2.38	3.14	3.27
25	3.42	2.88	2.45	2.09	2.22	2.51	2.25	2.41	2.07	2.54	3.14	3.34
26	3.39	2.80	2.65	2.45	2.25	2.74	2.48	2.47	2.62	2.88	3.25	3.07
27	3.20	2.70	2.70	2.50	2.15	2.27	2.78	2.76	3.04	3.04	3.06	2.75
28	3.01	2.40	2.63	2.73	2.24	1.97	2.18	2.80	2.86	3.13	3.23	2.52
29	2.58	2.30	2.60	2.39	------	2.55	2.13	2.80	3.02	3.10	3.04	2.78
30	2.36	2.26	2.68	1.98	------	2.61	2.12	2.64	3.07	3.28	2.94	2.96
31	2.18	------	2.64	2.02	------	2.83	------	2.89	------	3.17	3.17	------
MEAN	2.78	2.72	2.49	2.66	2.56	2.60	2.50	2.60	2.44	2.71	2.80	2.94
MAX	3.52	3.02	3.10	3.45	3.13	3.41	3.79	3.07	3.07	3.28	3.25	3.54
MIN	1.93	2.22	1.41	1.87	2.15	1.55	1.79	2.34	1.99	2.22	2.24	2.44

CAL YR 1972 MEAN 2.54 MAX 3.52 MIN .49
WTR YR 1973 MEAN 2.65 MAX 3.79 MIN 1.41

02290825 Florida Bay at Flamingo, Fla.

MINIMUM GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.57	.16	.10	.05	-.14	-.49	.60	-.69	-.45	-.13	.31	.37
2	.36	.12	-.49	-.01	.06	-.04	.42	.10	-.45	-.19	.43	.19
3	.34	.14	-.48	-.06	.08	.00	.71	-.70	-.42	-.32	.38	.32
4	.44	.19	-.37	-.18	-.55	.21	.58	-.44	-.32	-.14	.28	.45
5	.41	.07	-.23	-.12	-.32	.27	.70	-.40	-.41	.10	.10	.37
6	.46	.00	-.06	-.03	-.11	.22	-.13	-.31	-.40	.33	.21	.29
7	.63	.14	-.34	-.11	-.12	.65	-.44	-.57	-.21	.18	.10	.25
8	.58	-.03	-.30	.45	-.08	.27	.82	-.39	.32	-.04	.10	.46
9	.45	.10	-.34	.07	.15	.16	.11	.07	-.03	.15	.01	.33
10	.34	.22	-.35	.07	.47	.19	-.10	.32	-.26	.23	.23	.45
11	-.11	.31	-.36	.65	-.40	-.14	-.36	.14	-.28	.87	-.11	.88
12	-.36	.33	-.24	.88	-.62	-.26	-.21	.07	-.22	.21	-.23	.86
13	.03	.30	-.01	-.03	-.34	-.36	.02	-.10	-.18	-.12	.07	.56
14	.33	.27	.15	-.56	-.07	-.32	-.41	-.21	-.32	-.18	.07	.39
15	.57	.35	.22	-.51	.05	-.11	-1.11	-.32	-.47	-.05	.23	.29
16	.65	.26	-.10	-.46	-.26	.24	-.84	-.41	-.15	.49	.21	.32
17	.67	.50	-.15	-.31	-.49	.23	-.81	-.28	-.14	-.03	-.05	.34
18	.42	.35	-.20	.00	-.45	-.14	-.58	.34	-.18	.02	.01	.34
19	.59	.25	.39	.24	-.18	-.05	-.37	-.29	-.20	.05	.33	.29
20	.27	.18	.25	.19	.15	.19	.18	-.25	-.23	.21	.25	.27
21	-.63	.16	.14	.42	.14	.54	-.58	-.17	-.26	.22	.41	.13
22	-.21	.15	.12	.77	.25	.23	-.83	-.19	-.40	.41	.34	.07
23	.07	.18	-.01	.53	.63	-.23	-.71	-.04	-.22	.00	.43	.37
24	.27	.20	-.10	.31	.07	-.74	-.26	.21	-.35	-.31	.31	.59
25	.26	.19	-.16	-.30	.02	-.52	.10	.35	-.41	-.14	.19	.78
26	.31	.15	-.05	-.02	.16	.90	.38	.38	-.01	-.04	.21	.51
27	.19	.10	.05	.36	.03	.78	.21	.33	-.08	-.04	.19	.13
28	.46	.08	.12	.41	-.32	.30	.30	-.02	-.13	-.01	.40	-.17
29	.42	.05	-.01	.59	------	.07	-.33	-.23	-.11	.57	.41	.13
30	.35	.02	.20	-.55	------	.38	-.65	-.45	-.05	.03	.31	.25
31	.13	------	.24	-.69	------	.53	------	-.45	------	.29	.51	------
MEAN	.30	.18	-.08	.07	-.08	.10	-.12	-.15	-.23	.08	.21	.36
MAX	.67	.50	.39	.88	.63	.90	.82	.38	.32	.87	.51	.88
MIN	-.63	-.03	-.49	-.69	-.62	-.74	-1.11	-.70	-.47	-.32	-.23	-.17

CAL YR 1972 MEAN .10 MAX 1.09 MIN -1.25
WTR YR 1973 MEAN .06 MAX .90 MIN -1.11

02290827 Levee 67 Extended Canal near Richmond Heights, Fla.

LOCATION.--Lat 25°40'20", long 80°40'40", NW quarter sec.12, T.54 S., R.38 E., Dade County, near left bank 100 ft (30 m) upstream from control structure, 6 mi (10 km) south of Tamiami Canal, and 19 mi (31 km) west of Richmond Heights.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--June 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Dade County bench mark).

EXTREMES.--Current year: Maximum gage height, 7.77 ft (2.368 m) Nov. 15, 16; minimum, 5.85 ft (1.783 m) May 29 to June 1.
Period of record: Maximum gage height, 7.77 ft (2.368 m) Nov. 15, 16, 1973; minimum, 5.85 ft (1.783 m) May 29 to June 1, 1973.

REMARKS.--Gage records water levels in the water distribution canal along the eastern boundary of Everglades National Park.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.11	7.64	7.64	7.48	7.38	6.94	6.57	6.27	6.01	6.44	6.71	6.83
2	7.11	7.65	7.62	7.47	7.38	6.92	6.56	6.26	6.44	6.43	6.67	6.86
3	7.11	7.66	7.61	7.46	7.41	6.89	6.54	6.24	6.47	6.44	6.67	6.89
4	7.17	7.66	7.61	7.46	7.40	6.87	6.53	6.24	6.48	6.47	6.67	6.93
5	7.21	7.67	7.61	7.45	7.39	6.84	6.53	6.25	6.48	6.45	6.63	6.92
6	7.20	7.67	7.60	7.44	7.38	6.82	6.52	6.25	6.49	6.53	6.60	6.90
7	7.19	7.70	7.60	7.44	7.38	6.80	6.50	6.24	6.50	6.69	6.59	6.90
8	7.18	7.72	7.59	7.43	7.36	6.81	6.48	6.23	6.54	6.73	6.59	6.89
9	7.18	7.72	7.58	7.42	7.35	6.80	6.47	6.21	6.56	6.75	6.59	6.87
10	7.19	7.70	7.57	7.42	7.35	6.78	6.46	6.21	6.57	6.77	6.58	6.85
11	7.20	7.69	7.56	7.50	7.35	6.77	6.45	6.20	6.57	6.79	6.57	6.86
12	7.21	7.69	7.55	7.56	7.34	6.75	6.43	6.17	6.57	6.81	6.56	6.87
13	7.22	7.68	7.55	7.54	7.33	6.74	6.42	6.13	6.55	6.83	6.60	6.87
14	7.22	7.68	7.54	7.53	7.32	6.71	6.41	6.11	6.56	6.85	6.60	6.86
15	7.23	7.73	7.53	7.52	7.32	6.69	6.40	6.11	6.56	6.87	6.61	6.86
16	7.24	7.76	7.54	7.51	7.29	6.66	6.39	6.11	6.60	6.89	6.61	6.85
17	7.27	7.75	7.53	7.50	7.24	6.67	6.38	6.09	6.63	6.91	6.60	6.85
18	7.30	7.74	7.51	7.49	7.20	6.66	6.37	6.08	6.63	6.94	6.59	6.85
19	7.31	7.72	7.50	7.49	7.18	6.64	6.36	6.07	6.64	6.93	6.59	6.87
20	7.32	7.72	7.50	7.48	7.16	6.61	6.35	6.05	6.66	6.92	6.54	6.89
21	7.38	7.72	7.48	7.46	7.12	6.64	6.33	6.04	6.69	6.93	6.57	6.92
22	7.38	7.71	7.54	7.45	7.09	6.64	6.31	6.03	6.69	6.93	6.61	6.94
23	7.38	7.70	7.54	7.45	7.06	6.62	6.27	6.01	6.70	6.93	6.59	6.99
24	7.37	7.68	7.54	7.44	7.03	6.60	6.25	6.02	6.70	6.92	6.60	6.99
25	7.37	7.67	7.52	7.43	7.01	6.58	6.23	6.01	6.69	6.91	6.66	7.14
26	7.37	7.66	7.52	7.42	7.02	6.62	6.22	5.98	6.57	6.85	6.65	7.14
27	7.42	7.67	7.51	7.42	6.99	6.63	6.37	5.95	6.49	6.84	6.63	7.15
28	7.51	7.66	7.50	7.41	6.97	6.62	6.35	5.91	6.48	6.84	6.61	7.15
29	7.56	7.65	7.49	7.40	------	6.60	6.31	5.88	6.47	6.81	6.61	7.13
30	7.60	7.64	7.48	7.40	------	6.59	6.29	5.87	6.45	6.78	6.66	7.12
31	7.62	------	7.48	7.38	------	6.58	------	5.87	------	6.74	6.78	------
MEAN	7.29	7.69	7.55	7.46	7.24	6.71	6.40	6.10	6.55	6.77	6.62	6.94
MAX	7.62	7.76	7.64	7.56	7.41	6.94	6.57	6.27	6.70	6.94	6.78	7.15
MIN	7.11	7.64	7.48	7.38	6.97	6.58	6.22	5.87	6.01	6.43	6.54	6.83

CAL YR 1972 MEAN 6.99 MAX 7.76 MIN 6.26
WTR YR 1973 MEAN 6.94 MAX 7.76 MIN 5.87

02290828 Everglades P-36 near Homestead, Fla.

LOCATION.--Lat 25°32'30", long 80°47'00", in NE quarter sec.1, T.57 S., R.35 E., Dade County, in the Everglades, 15 mi (24 km) south of the 40-mile bend of U.S. Highway 41, and 20 mi (32 km) northwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1968 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is about at mean sea level.

EXTREMES.--Current year: Maximum gage height, 3.87 ft (1.180 m) Sept. 7, 8; minimum, 1.67 ft (0.509 m) June 7.
Period of record: Maximum gage height, 4.91 ft (1.497 m) Oct. 25-28, 1969; minimum, 0.79 ft (0.241 m) May 14, 1971.

REMARKS.--Gage records water levels in the central portion of the Everglades National Park. Elevation of the land surface is about 2.8 ft (0.853 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.68	3.63	3.75	3.64	3.59	3.48	3.27	2.93	1.85	3.11	3.44	3.74
2	3.67	3.61	3.74	3.64	3.60	3.46	3.25	2.92	1.80	3.11	3.45	3.78
3	3.67	3.59	3.74	3.63	3.61	3.46	3.25	2.91	1.74	3.10	3.48	3.82
4	3.72	3.59	3.74	3.62	3.61	3.45	3.24	2.90	1.72	3.10	3.45	3.83
5	3.76	3.59	3.74	3.62	3.61	3.44	3.22	2.89	1.72	3.10	3.44	3.83
6	3.76	3.60	3.74	3.62	3.60	3.43	3.21	2.88	1.71	3.11	3.44	3.81
7	3.75	3.63	3.73	3.62	3.60	3.42	3.20	2.85	1.73	3.16	3.48	3.85
8	3.75	3.64	3.72	3.61	3.60	3.41	3.19	2.83	2.06	3.18	3.45	3.86
9	3.75	3.65	3.72	3.61	3.58	3.37	3.18	2.76	2.05	3.27	3.47	3.83
10	3.73	3.65	3.72	3.60	3.57	3.36	3.16	2.76	2.00	3.25	3.55	3.82
11	3.73	3.65	3.72	3.63	3.57	3.36	3.15	2.74	1.94	3.27	3.52	3.79
12	3.72	3.65	3.70	3.68	3.55	3.36	3.13	2.69	1.88	3.35	3.49	3.76
13	3.71	3.68	3.68	3.69	3.54	3.35	3.11	2.64	1.84	3.35	3.48	3.73
14	3.71	3.70	3.68	3.69	3.54	3.34	3.10	2.62	1.81	3.35	3.46	3.71
15	3.69	3.74	3.67	3.69	3.53	3.34	3.07	2.64	1.87	3.36	3.44	3.69
16	3.69	3.77	3.67	3.68	3.53	3.31	3.06	2.61	1.94	3.39	3.44	3.66
17	3.67	3.77	3.66	3.68	3.53	3.29	3.04	2.57	2.56	3.48	3.41	3.61
18	3.65	3.77	3.65	3.67	3.52	3.29	3.03	2.52	2.80	3.51	3.38	3.59
19	3.65	3.76	3.64	3.67	3.51	3.29	3.01	2.49	2.84	3.52	3.36	3.58
20	3.70	3.76	3.63	3.66	3.51	3.28	3.01	2.44	2.85	3.54	3.34	3.58
21	3.75	3.76	3.63	3.65	3.51	3.28	2.98	2.40	2.92	3.58	3.34	3.58
22	3.74	3.76	3.66	3.64	3.51	3.28	2.96	2.35	2.93	3.62	3.34	3.58
23	3.73	3.76	3.67	3.64	3.51	3.28	2.94	2.32	2.93	3.59	3.34	3.58
24	3.72	3.75	3.67	3.64	3.50	3.27	2.93	2.29	2.94	3.57	3.38	3.60
25	3.71	3.75	3.67	3.64	3.50	3.25	2.92	2.23	2.99	3.54	3.49	3.65
26	3.70	3.75	3.67	3.62	3.50	3.27	2.90	2.18	3.00	3.51	3.52	3.68
27	3.68	3.75	3.67	3.62	3.50	3.29	2.95	2.12	3.01	3.50	3.55	3.68
28	3.67	3.75	3.66	3.62	3.49	3.29	2.96	2.07	3.12	3.46	3.56	3.68
29	3.66	3.75	3.65	3.62	------	3.28	2.95	2.01	3.16	3.43	3.60	3.68
30	3.66	3.75	3.64	3.60	------	3.28	2.94	1.95	3.13	3.43	3.64	3.68
31	3.64	------	3.64	3.60	------	3.28	------	1.90	------	3.44	3.67	------
MEAN	3.70	3.70	3.69	3.64	3.55	3.34	3.08	2.53	2.36	3.36	3.46	3.71
MAX	3.76	3.77	3.75	3.69	3.61	3.48	3.27	2.93	3.16	3.62	3.67	3.86
MIN	3.64	3.59	3.63	3.60	3.49	3.25	2.90	1.90	1.71	3.10	3.34	3.58

CAL YR 1972 MEAN 3.44 MAX 3.94 MIN 2.72
WTR YR 1973 MEAN 3.34 MAX 3.86 MIN 1.71

02290830 Everglades P-35 near Homestead, Fla.

LOCATION.--Lat 25°27'20", long 80°52'30", in SE quarter sec.36, T.57 S., R.34 E., Monroe County, in the Everglades, 100 ft (30 m) north of Rookery Branch, 8 mi (13 km) upstream from Shark River, 17 mi (27 km) northwest of Royal Palm Ranger Station, and 24 mi (39 km) west of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--February 1953 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage and rainfall recorder. Datum of gage is at mean sea level (Dade County bench mark). Prior to Apr. 6, 1955, at datum 1.09 ft (0.332 m) lower and Apr. 6, 1955, to Sept. 30, 1963, at datum 0.46 ft (0.140 m) lower.

EXTREMES.--Current year: Maximum gage height, 2.31 ft (0.704 m) Sept. 1, 13; minimum, 0.43 ft (0.131 m) Apr. 22.
Period of record: Maximum gage height, 3.47 ft (1.058 m) present datum Sept. 10, 1960, resulting from hurricane; minimum, -0.27 ft (-0.082 m) Apr. 18, 1964.

REMARKS.--Gage records water levels in west-central Everglades National Park. Elevation of the land surface is about 0.9 ft (0.274 m). Medium and low stages affected by tide.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.83	1.68	1.63	1.48	1.33	1.21	1.41	.83	1.12	1.68	1.82	2.29
2	1.83	1.64	1.45	1.49	1.43	1.21	1.50	.81	1.12	1.66	1.81	2.27
3	1.82	1.66	1.45	1.51	1.55	1.31	1.55	.88	1.14	1.63	1.79	2.28
4	1.83	1.67	1.53	1.51	1.47	1.34	1.66	1.10	1.14	1.60	1.72	2.27
5	1.83	1.69	1.61	1.53	1.39	1.40	1.71	1.19	1.07	1.58	1.63	2.22
6	1.85	1.71	1.64	1.55	1.37	1.46	1.58	1.16	.96	1.58	1.54	2.19
7	1.90	1.79	1.64	1.55	1.37	1.50	1.46	1.04	.94	1.56	1.49	2.27
8	1.94	1.83	1.59	1.59	1.36	1.52	1.56	1.01	1.03	1.63	1.58	2.28
9	1.94	1.83	1.53	1.58	1.41	1.52	1.50	1.20	1.08	1.73	1.80	2.26
10	1.93	1.80	1.48	1.50	1.65	1.47	1.36	1.25	.89	1.71	1.81	2.29
11	1.86	1.79	1.44	1.62	1.62	1.37	1.20	1.21	.84	1.80	1.83	2.28
12	1.70	1.80	1.35	1.74	1.34	1.28	1.13	1.20	.87	1.97	1.81	2.30
13	1.60	1.78	1.37	1.68	1.34	1.22	1.16	1.20	.98	1.95	1.81	2.30
14	1.66	1.85	1.39	1.51	1.37	1.20	1.12	1.18	1.04	1.89	1.81	2.29
15	1.67	1.93	1.48	1.47	1.49	1.19	.90	1.17	1.19	1.84	2.04	2.25
16	1.68	1.94	1.48	1.48	1.52	1.26	.61	1.14	1.24	1.83	1.99	2.20
17	1.72	1.91	1.17	1.50	1.42	1.37	.64	1.04	1.22	1.89	1.91	2.16
18	1.73	1.88	.98	1.57	1.29	1.33	.67	1.05	1.21	1.96	1.81	2.11
19	1.74	1.85	1.17	1.67	1.29	1.26	.80	1.09	1.19	1.93	1,79	2.06
20	1.82	1.87	1.37	1.72	1.34	1.29	.86	1.10	1.18	1.95	1.79	2.01
21	1.77	1.89	1.51	1.72	1.37	1.42	.72	1.11	1.24	2.00	1.77	2.00
22	1.72	1.87	1.78	1.74	1.34	1.47	.57	1.09	1.21	2.00	1.81	1.97
23	1.77	1.83	1.83	1.77	1.33	1.25	.60	1.11	1.24	1.99	1.82	2.01
24	1.83	1.79	1.80	1.71	1.28	1.02	.83	1.18	1.25	1.93	1.87	2.00
25	1.89	1.77	1.72	1.58	1.25	1.01	1.08	1.22	1.27	1.85	1.99	2.09
26	1.92	1.85	1.66	1.42	1.31	1.41	1.18	1.22	1.29	1.82	1.91	2.14
27	1.92	1.82	1.58	1.47	1.35	1.49	1.34	1.24	1.34	1.82	1.86	2.13
28	1.91	1.72	1.46	1.56	1.29	1.34	1.33	1.25	1.57	1.83	1.83	2.07
29	1.88	1.67	1.37	1.65	------	1.27	1.18	1.23	1.68	1.83	1.84	2.00
30	1.84	1.65	1.36	1.55	------	1.30	1.00	1.18	1.69	1.83	1.92	1.95
31	1.76	------	1.41	1.34	------	1.35	------	1.09	------	1.83	2.15	------
MEAN	1.81	1.79	1.49	1.57	1.39	1.32	1.14	1.12	1.17	1.81	1.82	2.16
MAX	1.94	1.94	1.83	1.77	1.65	1.52	1.71	1.25	1.69	2.00	2.15	2.30
MIN	1.60	1.64	.98	1.34	1.25	1.01	.57	.81	.84	1.56	1.49	1.95

CAL YR 1972 MEAN 1.49 MAX 2.26 MIN .20
WTR YR 1973 MEAN 1.55 MAX 2.30 MIN .57

02290870 Everglades P-34 near Homestead, Fla.

LOCATION.--Lat 25°36'30", long 80°55'30", in sec.9, T.56 S., R.34 E., Monroe County, in the Everglades at the headwaters of Rogers River, 3.5 mi (5.6 km) west of Dade-Monroe County line, 12 mi (19 km) southwest of 40-mile bend, U.S. Highway 41, and 29 mi (47 km) northwest of Homestead.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1953 to current year (gage heights only). Published since October 1962.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark).

EXTREMES.--Current year: Maximum gage height, 2.42 ft (0.738 m) Sept. 6, 9, 10; minimum, -0.97 ft (-0.296 m) May 30.
Period of record: Maximum gage height, 3.42 ft (1.042 m) Sept. 12, 1960; minimum, -2.75 ft (-0.838 m) May 14, 1971.

REMARKS.--Gage records water levels at northern boundary of the Everglades National Park. Elevation of the land surface is about 1.3 ft (0.396 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	1.95	2.04	1.70	1.70	1.42	.97	.41	.14	1.43	2.07	2.14
2	2.20	1.94	2.02	1.69	1.71	1.39	.94	.33	-.02	1.45	2.05	2.26
3	2.19	1.93	2.00	1.68	1.72	1.37	.89	.27	-.17	1.46	2.04	2.30
4	2.19	1.91	2.00	1.66	1.70	1.35	.84	.23	.07	1.47	2.05	2.31
5	2.18	1.90	2.00	1.65	1.68	1.33	.80	.24	.43	1.48	2.10	2.32
6	2.16	1.89	1.98	1.63	1.66	1.31	.77	.43	.25	1.53	2.15	2.33
7	2.14	1.90	1.96	1.62	1.65	1.29	.74	.31	.22	1.59	2.13	2.41
8	2.11	1.90	1.94	1.61	1.63	1.28	.71	.19	.29	1.62	2.11	2.40
9	2.08	1.92	1.92	1.59	1.61	1.25	.68	.10	.14	1.68	2.11	2.39
10	2.05	1.90	1.91	1.58	1.61	1.24	.63	.06	.03	1.75	2.10	2.41
11	2.02	1.88	1.89	1.70	1.59	1.21	.57	-.02	-.07	1.93	2.08	2.39
12	2.00	1.86	1.88	1.82	1.57	1.18	.52	-.10	-.14	2.07	2.05	2.38
13	1.98	1.84	1.86	1.85	1.55	1.15	.48	-.18	-.08	2.12	2.03	2.38
14	1.96	1.86	1.86	1.86	1.54	1.12	.43	-.24	-.15	2.11	2.03	2.34
15	1.93	1.93	1.83	1.87	1.57	1.08	.39	-.28	.29	2.08	2.17	2.31
16	1.91	1.97	1.87	1.88	1.56	1.05	.34	-.33	1.13	2.08	2.19	2.27
17	1.91	1.98	1.84	1.88	1.55	1.06	.29	-.40	1.08	2.13	2.18	2.22
18	1.88	1.99	1.82	1.88	1.53	1.11	.24	-.46	1.12	2.14	2.16	2.18
19	1.87	2.01	1.80	1.88	1.54	1.04	.20	-.51	1.10	2.17	2.15	2.15
20	1.90	2.04	1.78	1.86	1.54	.99	.16	-.56	1.17	2.16	2.15	2.14
21	1.93	2.06	1.77	1.85	1.53	1.12	.11	-.62	1.23	2.14	2.15	2.15
22	1.93	2.08	1.83	1.83	1.51	1.13	.05	-.68	1.46	2.18	2.14	2.12
23	1.92	2.09	1.84	1.82	1.49	1.05	.01	-.63	1.45	2.29	2.11	2.10
24	1.92	2.09	1.83	1.81	1.48	.99	-.05	-.48	1.47	2.25	2.10	2.09
25	1.92	2.09	1.82	1.80	1.48	.95	-.10	-.60	1.46	2.19	2.10	2.11
26	1.93	2.10	1.80	1.78	1.48	1.13	-.14	-.71	1.41	2.14	2.08	2.12
27	1.94	2.10	1.78	1.76	1.46	1.20	.87	-.77	1.39	2.16	2.07	2.11
28	1.95	2.08	1.76	1.75	1.44	1.14	.76	-.83	1.48	2.18	2.04	2.10
29	1.96	2.07	1.74	1.74	------	1.09	.61	-.88	1.49	2.15	2.02	2.06
30	1.96	2.06	1.73	1.71	------	1.05	.51	-.66	1.45	2.11	2.01	2.03
31	1.96	------	1.72	1.69	------	1.01	------	.37	------	2.09	2.03	------
MEAN	2.01	1.98	1.87	1.76	1.57	1.16	.47	-.23	.70	1.95	2.10	2.23
MAX	2.21	2.10	2.04	1.88	1.72	1.42	.97	.43	1.49	2.29	2.19	2.41
MIN	1.87	1.84	1.72	1.58	1.44	.95	-.14	-.88	-.17	1.43	2.01	2.03

CAL YR 1972 MEAN 1.64 MAX 2.33 MIN .29
WTR YR 1973 MEAN 1.46 MAX 2.41 MIN -.88

02290950 Roberts Lake Slough near Monroe, Fla.

LOCATION.--Lat 25°47'05", long 81°05'00", in NW quarter sec. 11, T.53 S., R.32 E., Monroe County, on downstream side of State Highway 94, 60 ft (18 m) east of culverts, and 5.2 mi (8.4 km) south of Monroe.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Maximum daily discharge, 411 cfs (11.6 cu m/s) Sept. 30; maximum gage height, 5.30 ft (1.615 m) estimated, Sept. 30; no flow for many days; minimum gage height, 0.14 ft (0.043 m) estimated, June 15.

REMARKS.--Record poor. Figures of daily discharge consist of runoff from Roberts Slough as represented by flow through all 9 bridges 1 to 9.

DISCHARGE, IN CUBIC FEET PER SECOND, JANUARY TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				5.6	16	0	2.2			0	220	364
2				5.6	16	0	1.3			0	231	389
3				5.6	16	0	.70			0	270	380
4				5.6	15	0	.10			0	278	366
5				5.3	14	0	0			0	284	322
6				4.3	13	0	0			0	291	323
7				2.8	10	0	0			0	297	325
8				1.9	10	0	0			0	292	327
9				2.0	7.4	0	0			.90	326	321
10				1.7	5.5	0	0			19	350	313
11				33	2.5	0	0			69	353	310
12				45	1.9	0	0			139	355	303
13				44	1.8	0	0			186	342	283
14				42	1.5	0	0			199	337	263
15				41	1.7	0	0			167	362	218
16				37	1.3	0	0			138	359	181
17				34	1.3	0	0			174	342	165
18				34	1.3	0	0			195	327	163
19				33	1.5	0	0			195	314	161
20				30	1.5	0	0			216	308	172
21				28	1.2	0	0			212	341	191
22				23	.80	0	0			230	366	211
23				24	.60	0	0			244	362	240
24				22	.70	0	0			238	359	253
25				20	.50	0	0			226	356	267
26				17	.20	7.1	0			203	366	295
27				16	0	14	0			192	336	328
28				16	0	13	0			194	307	354
29				18	------	13	0			217	296	387
30				18	------	8.3	0			217	267	411
31		------		16	------	6.4	------		------	221	326	------
TOTAL				631.4	143.20	61.8	4.30	0	0	4,091.90	9,920	8,586
MEAN				20.4	5.11	1.99	.14	0	0	132	320	286
MAX				45	16	14	2.2	0	0	244	366	411
MIN				1.7	0	0	0	0	0	0	220	161
AC-FT				1,250	284	123	8.5	0	0	8,120	19,680	17,030

10B LAKE OKEECHOBEE AND THE EVERGLADES AREA

02290950 Roberts Lake Slough near Monroe, Fla.

GAGE HEIGHT, IN FEET, JANUARY TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				4.52	4.56	4.37	4.48	2.59	.49	2.89	4.97	5.22
2				4.52	4.56	4.33	4.46	2.48	.45	3.14	4.99	5.25
3				4.52	4.56	4.29	4.42	2.38	.43	3.31	5.04	5.24
4				4.52	4.56	4.29	4.39	2.30	.40	3.49	5.06	5.23
5				4.51	4.55	4.25	4.35	2.23	.36	3.69	5.07	5.19
6				4.51	4.55	4.23	4.29	2.13	.34	3.89	5.08	5.19
7				4.50	4.54	4.25	4.25	2.06	.29	4.05	5.09	5.20
8				4.50	4.54	4.33	4.22	1.92	.27	4.19	5.09	5.20
9				4.49	4.52	4.33	4.17	1.81	.25	4.35	5.13	5.20
10				4.48	4.51	4.30	4.10	1.71	.22	4.50	5.16	5.19
11				4.60	4.50	4.26	4.01	1.60	.20	4.65	5.16	5.19
12				4.65	4.49	4.21	3.92	1.48	.18	4.80	5.17	5.18
13				4.64	4.49	4.17	3.83	1.42	.16	4.88	5.16	5.16
14				4.64	4.47	4.13	3.76	1.39	.16	4.90	5.15	5.14
15				4.64	4.49	4.07	3.69	1.30	.14	4.85	5.18	5.07
16				4.62	4.46	4.02	3.63	1.26	.25	4.80	5.18	5.02
17				4.61	4.47	4.05	3.56	1.20	.51	4.86	5.17	4.99
18				4.61	4.46	4.07	3.49	1.14	1.04	4.89	5.15	4.99
19				4.61	4.48	3.98	3.44	1.06	1.42	4.90	5.14	4.98
20				4.60	4.47	3.92	3.38	.99	1.99	4.93	5.14	5.00
21				4.60	4.46	4.16	3.29	.93	2.59	4.93	5.17	5.03
22				4.58	4.44	4.24	3.19	.88	3.09	4.95	5.20	5.06
23				4.59	4.43	4.20	3.11	.85	3.04	4.98	5.20	5.10
24				4.58	4.43	4.14	3.03	.80	2.96	4.97	5.20	5.12
25				4.58	4.43	4.09	2.94	.74	2.94	4.96	5.20	5.14
26				4.56	4.41	4.43	2.86	.71	2.84	4.93	5.21	5.17
27				4.56	4.39	4.56	3.04	.69	2.71	4.91	5.18	5.20
28				4.56	4.37	4.56	2.92	.64	2.61	4.92	5.16	5.23
29				4.57	------	4.55	2.79	.62	2.54	4.95	5.15	5.26
30				4.57	------	4.53	2.70	.60	2.50	4.96	5.12	5.27
31		------		4.56	------	4.51	------	.55	------	4.97	5.18	------
MEAN				4.57	4.49	4.25	3.66	1.37	1.25	4.53	5.14	5.15
MAX				4.65	4.56	4.56	4.48	2.59	3.09	4.98	5.21	5.27
MIN				4.48	4.37	3.92	2.70	.55	.14	2.89	4.97	4.98

02291000 Barron River Canal near Everglades, Fla.

LOCATION.--Lat 25°57'28", long 81°21'19", in NW quarter sec.7, T.52 S., R.30 E., Collier County, on right bank 40 ft (12 m) upstream from control structure, 0.7 mi (1.1 km) north of Copeland, 7 mi (11 km) north of town of Everglades, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July to December 1951 (discharge measurements only), January 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (State Department of Transportation bench mark). Prior to Jan. 24, 1952, nonrecording gage.

AVERAGE DISCHARGE.--21 years (1952-73); 103 cfs (2.917 cu m/s), 74,570 acre-ft/yr (91.9 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 256 cfs (7.25 cu m/s) Sept. 16; maximum gage height, 5.84 ft (1.780 m) Sept. 3; minimum daily discharge, 0.30 cfs (0.01 cu m/s) June 12; minimum gage height, 0.75 ft (0.229 m) May 30.
Period of record: Maximum daily discharge, 292 cfs (8.27 cu m/s) Sept. 25, 1962; maximum gage height, 6.43 ft (1.960 m) Sept. 10 or 11, 1960; no flow May 17, 18, 1952; minimum gage height, 0.21 ft (0.064 m) May 18, 1962.

Flood of October 1947 reached a stage of about 7 ft (2.13 m), from information by local resident.

REMARKS.--Records fair except those below 20 cfs (0.57 cu m/s), which are poor. Flow regulated by operation of control structure at, above, and below station, and is occasionally affected by tide. Overbank flow not included in discharge figures.

WATER TEMPERATURE (°C).--Jan. 18 (1110) 21.0°; Feb. 26 (0930) 22.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	71	108	60	46	27	27	9.5	1.4	30	86	197
2	159	68	103	57	49	27	26	9.0	1.6	29	81	207
3	151	69	102	53	62	26	24	8.6	1.4	41	74	215
4	160	68	100	51	61	26	22	8.3	1.2	46	69	218
5	165	69	98	47	55	25	22	7.9	1.2	62	64	221
6	161	99	95	45	50	24	19	7.5	1.2	54	84	225
7	158	95	94	41	47	24	18	7.0	.95	48	99	230
8	155	85	94	39	44	23	19	6.7	.95	46	105	232
9	152	78	89	37	44	23	18	6.5	.90	62	126	231
10	149	73	86	34	55	22	16	6.4	.75	79	165	230
11	145	70	83	69	48	22	15	6.0	.50	88	138	230
12	139	69	80	95	44	21	14	5.7	.30	95	143	234
13	135	81	77	89	43	20	14	5.5	.50	93	154	240
14	133	123	76	82	41	20	14	5.2	.80	86	164	248
15	128	149	76	76	43	20	14	5.0	1.3	85	176	251
16	125	141	72	71	41	20	13	4.8	1.8	95	184	256
17	122	133	63	95	37	20	13	4.6	2.2	109	183	253
18	118	127	58	65	35	19	13	4.3	2.6	107	180	248
19	119	125	56	62	37	18	13	4.0	3.4	104	177	243
20	125	135	54	59	37	18	13	3.8	5.2	114	177	237
21	117	128	53	55	35	20	13	3.5	8.7	109	182	233
22	110	124	100	55	34	21	12	3.3	17	107	179	229
23	106	119	101	75	33	19	12	3.0	17	105	175	227
24	104	115	94	76	31	18	12	2.8	22	100	172	233
25	100	113	88	67	31	18	12	2.6	44	95	176	236
26	94	128	83	62	31	36	12	2.2	41	92	178	237
27	91	124	78	58	30	45	12	2.0	24	91	182	242
28	88	117	73	56	29	41	11	2.0	17	86	183	239
29	85	115	69	60	------	36	10	1.6	20	87	183	235
30	81	111	65	53	------	33	9.9	1.4	21	86	184	231
31	76	------	63	49	------	30	------	1.6	------	90	189	------
TOTAL	3,912	3,122	2,531	1,893	1,173	762	462.9	152.3	261.85	2,521	4,612	6,988
MEAN	126	104	81.6	61.1	41.9	24.6	15.4	4.91	8.73	81.3	149	233
MAX	165	149	108	95	62	45	27	9.5	44	114	189	256
MIN	76	68	53	34	29	18	9.9	1.4	.30	29	64	197
AC-FT	7,760	6,190	5,020	3,750	2,330	1,510	918	302	519	5,000	9,150	13,860

CAL YR 1972 TOTAL 30,200.60 MEAN 82.5 MAX 227 MIN 4.2 AC-FT 59,900
WTR YR 1973 TOTAL 28,391.05 MEAN 77.8 MAX 256 MIN .30 AC-FT 56,310

02291000 Barron River Canal near Everglades, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.53	3.16	3.64	3.05	2.81	2.24	2.14	1.32	.85	2.60	3.35	5.65
2	4.51	3.12	3.58	3.01	2.83	2.22	2.12	1.29	.93	2.56	3.32	5.74
3	4.48	3.14	3.55	2.97	3.00	2.20	2.08	1.28	.94	2.74	3.28	5.80
4	4.52	3.11	3.52	2.93	2.98	2.18	2.06	1.28	.92	2.79	3.26	5.79
5	4.58	3.13	3.50	2.89	2.89	2.16	2.05	1.26	.95	2.99	3.25	5.77
6	4.52	3.56	3.46	2.86	2.81	2.13	1.98	1.24	1.00	2.86	3.59	5.77
7	4.47	3.51	3.44	2.82	2.75	2.12	1.93	1.21	.99	2.75	3.86	5.78
8	4.42	3.37	3.42	2.80	2.70	2.10	1.95	1.20	1.03	2.71	4.00	5.75
9	4.37	3.26	3.36	2.77	2.69	2.09	1.91	1.20	1.05	2.91	4.36	5.67
10	4.32	3.18	3.31	2.74	2.83	2.07	1.84	1.20	1.06	3.14	4.55	5.60
11	4.25	3.14	3.27	3.25	2.72	2.05	1.78	1.15	1.05	3.25	4.62	5.54
12	4.17	3.12	3.22	3.61	2.65	2.03	1.74	1.13	1.05	3.32	4.75	5.53
13	4.10	3.30	3.18	3.53	2.62	2.00	1.73	1.11	1.12	3.28	4.96	5.59
14	4.06	3.89	3.16	3.44	2.59	1.99	1.70	1.09	1.09	3.16	5.15	5.69
15	3.99	4.27	3.17	3.36	2.60	1.97	1.66	1.07	1.08	3.13	5.38	5.70
16	3.94	4.15	3.11	3.31	2.56	1.96	1.63	1.07	1.08	3.26	5.54	5.76
17	3.90	4.03	3.00	3.26	2.50	1.96	1.61	1.05	1.06	3.43	5.58	5.69
18	3.84	3.95	2.94	3.22	2.46	1.91	1.59	1.03	1.03	3.38	5.58	5.60
19	3.85	3.92	2.90	3.17	2.49	1.88	1.56	1.00	1.09	3.33	5.59	5.50
20	3.95	4.06	2.89	3.12	2.48	1.86	1.53	.98	1.34	3.45	5.64	5.40
21	3.83	3.96	2.88	3.06	2.44	1.94	1.50	.95	1.71	3.36	5.77	5.32
22	3.73	3.89	3.56	3.04	2.41	1.97	1.47	.93	2.76	3.31	5.78	5.24
23	3.68	3.83	3.58	3.31	2.38	1.90	1.44	.90	2.63	3.28	5.77	5.19
24	3.63	3.76	3.48	3.32	2.36	1.84	1.43	.88	2.73	3.19	5.78	5.25
25	3.57	3.73	3.41	3.18	2.34	1.83	1.42	.87	3.02	3.10	5.77	5.27
26	3.50	3.94	3.34	3.09	2.33	2.21	1.41	.84	2.88	3.10	5.74	5.27
27	3.45	3.89	3.27	3.03	2.30	2.40	1.46	.83	2.56	3.15	5.74	5.31
28	3.41	3.79	3.20	2.99	2.27	2.35	1.44	.84	2.27	3.12	5.69	5.24
29	3.36	3.74	3.15	3.04	------	2.29	1.37	.80	2.41	3.20	5.63	5.17
30	3.30	3.70	3.11	2.93	------	2.24	1.35	.79	2.42	3.23	5.59	5.09
31	3.23	------	3.09	2.86	------	2.19	------	.86	------	3.35	5.60	------
MEAN	3.98	3.62	3.28	3.10	2.60	2.07	1.70	1.05	1.54	3.11	4.92	5.52
MAX	4.58	4.27	3.64	3.61	3.00	2.40	2.14	1.32	3.02	3.45	5.78	5.80
MIN	3.23	3.11	2.88	2.74	2.27	1.83	1.35	.79	.85	2.56	3.25	5.09

CAL YR 1972 MEAN 3.21 MAX 5.52 MIN 1.24
WTR YR 1973 MEAN 3.04 MAX 5.80 MIN .79

02291143 Fahka Union Canal near Copeland, Fla.

LOCATION.--Lat 25°57'59", long 81°30'23", in SW quarter sec.3, T.52 S., R.28 E., Collier County, on left bank, 0.5 mi (0.8 km) upstream from U. S. Highway 41, and 9.3 mi (15.0 km) west of Copeland.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Collier County bench mark).

EXTREMES.--Maximum discharge, 1,500 cfs (42.5 cu m/s) Aug. 21, gage height, 3.72 ft (1.134 m); no flow for many days; minimum gage height, 0.77 ft (0.235 m) May 27.
Period of record: Maximum discharge, 3,200 cfs (90.6 cu m/s) Sept. 15, 1971, gage height, 4.77 ft (1.454 m); no flow for many days in 1971-1973; minimum gage height, 0.77 ft (0.235 m) May 27, 1973.

REMARKS.--Records good.

WATER TEMPERATURE (°C).--Feb. 16 (1040) 17.0°; Mar. 9 (1000) 26.0°; May 31 (1210) 28.0°; Aug. 10 (1235) 29.0°; Sept. 11 (1150) 26.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	153	202	84	68	19	15		0	20	479	1,170
2	217	142	188	83	65	15	16		0	57	446	1,190
3	243	142	180	79	72	16	13		0	278	400	1,180
4	356	137	174	79	68	14	25		0	470	354	1,150
5	551	133	169	76	62	13	19		0	719	307	1,170
6	587	142	169	74	60	11	8.2		0	653	296	1,290
7	579	155	166	69	58	11	6.4		0	626	331	1,370
8	546	145	158	64	54	10	12		0	680	350	1,360
9	509	134	148	66	50	9.4	10		0	794	455	1,280
10	465	126	143	64	60	8.4	6.5		0	735	575	1,220
11	429	122	138	104	54	7.3	2.7		0	698	647	1,170
12	402	117	130	123	50	6.2	.83		0	684	631	1,160
13	377	125	124	118	50	5.1	.32		0	661	612	1,200
14	352	220	122	112	49	4.5	0		0	623	661	1,160
15	326	325	118	108	50	3.9	0		0	581	769	1,110
16	313	321	119	104	47	3.2	0		0	561	829	1,050
17	306	288	102	98	43	5.0	0		0	610	769	1,020
18	287	256	96	102	42	4.2	0		0	616	686	1,040
19	279	243	96	91	45	2.4	0		0	568	763	1,050
20	288	286	94	87	45	.33	0		0	553	1,070	1,020
21	275	284	88	85	40	3.3	0		0	611	1,350	961
22	253	272	159	82	34	6.6	0		0	594	1,400	919
23	240	261	141	94	33	3.2	0		0	566	1,250	993
24	229	252	126	90	35	1.0	0		6.8	507	1,190	1,000
25	222	238	119	83	31	.12	0		16	463	1,170	992
26	207	253	112	77	29	22	0		14	429	1,110	1,050
27	198	239	110	76	24	27	0		11	456	1,010	1,200
28	191	225	103	76	20	20	0		12	486	933	1,110
29	179	222	96	77	------	18	0		14	465	877	991
30	172	213	92	71	------	19	0		15	435	871	887
31	164	------	87	69	------	16	------		------	448	1,040	------
TOTAL	9,965	6,171	4,069	2,665	1,338	305.15	134.95	0	88.8	16,647	23,631	33,463
MEAN	321	206	131	86.0	47.8	9.84	4.50	0	2.96	537	762	1,115
MAX	587	325	202	123	72	27	25	0	16	794	1,400	1,370
MIN	164	117	87	64	20	.12	0	0	0	20	296	887
AC-FT	19,770	12,240	8,070	5,290	2,650	605	268	0	176	33,020	46,870	66,370

CAL YR 1972 TOTAL 72,207.94 MEAN 197 MAX 1,460 MIN 0 AC-FT 143,200
WTR YR 1973 TOTAL 98,477.90 MEAN 270 MAX 1,400 MIN 0 AC-FT 195,300

02291143 Fahka Union Canal near Copeland, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.64	2.45	2.53	2.31	2.27	2.12	2.07	1.61	.93	2.10	2.87	3.53
2	2.63	2.44	2.50	2.30	2.26	2.09	2.08	1.58	1.20	2.20	2.84	3.54
3	2.67	2.44	2.49	2.30	2.28	2.10	2.06	1.55	1.26	2.62	2.79	3.54
4	2.81	2.43	2.48	2.30	2.27	2.10	2.12	1.53	1.28	2.84	2.74	3.52
5	3.02	2.42	2.47	2.29	2.25	2.09	2.09	1.51	1.31	3.09	2.69	3.54
6	3.05	2.44	2.46	2.28	2.25	2.08	2.03	1.49	1.34	3.03	2.68	3.62
7	3.05	2.46	2.46	2.27	2.24	2.08	2.00	1.45	1.36	3.00	2.72	3.68
8	3.01	2.44	2.45	2.26	2.23	2.07	2.04	1.41	1.35	3.05	2.75	3.67
9	2.97	2.42	2.43	2.26	2.22	2.07	2.03	1.39	1.35	3.15	2.86	3.62
10	2.93	2.41	2.42	2.26	2.25	2.06	2.01	1.38	1.34	3.10	2.98	3.58
11	2.89	2.40	2.41	2.35	2.23	2.05	1.98	1.36	1.33	3.07	3.05	3.56
12	2.86	2.39	2.39	2.39	2.22	2.05	1.96	1.32	1.29	3.06	3.05	3.55
13	2.84	2.40	2.38	2.38	2.22	2.04	1.95	1.29	1.26	3.05	3.03	3.58
14	2.81	2.56	2.38	2.37	2.22	2.03	1.93	1.26	1.23	3.01	3.08	3.55
15	2.78	2.70	2.37	2.36	2.22	2.02	1.92	1.23	1.24	2.97	3.17	3.52
16	2.72	2.70	2.37	2.35	2.21	2.01	1.89	1.22	1.25	2.95	3.23	3.48
17	2.67	2.66	2.34	2.34	2.20	2.03	1.87	1.17	1.28	3.00	3.18	3.44
18	2.65	2.62	2.33	2.34	2.19	2.02	1.84	1.14	1.40	3.00	3.11	3.46
19	2.64	2.60	2.33	2.33	2.20	2.01	1.82	1.12	1.46	2.96	3.17	3.46
20	2.65	2.66	2.32	2.32	2.20	1.98	1.81	1.08	1.50	2.94	3.43	3.44
21	2.63	2.65	2.31	2.31	2.19	2.02	1.78	1.06	1.66	3.00	3.62	3.40
22	2.60	2.64	2.45	2.30	2.18	2.03	1.73	1.03	1.87	2.98	3.65	3.37
23	2.58	2.62	2.41	2.33	2.17	2.01	1.69	1.00	1.94	2.95	3.56	3.42
24	2.57	2.60	2.39	2.32	2.18	1.98	1.65	.97	2.00	2.90	3.52	3.43
25	2.56	2.58	2.37	2.31	2.17	1.94	1.61	.95	2.07	2.86	3.51	3.42
26	2.54	2.60	2.36	2.29	2.16	2.10	1.58	.92	2.06	2.82	3.47	3.45
27	2.52	2.58	2.35	2.29	2.14	2.14	1.68	.88	2.04	2.85	3.41	3.56
28	2.51	2.56	2.34	2.29	2.12	2.11	1.73	.86	2.04	2.88	3.35	3.50
29	2.49	2.56	2.33	2.29	------	2.10	1.70	.85	2.05	2.86	3.30	3.41
30	2.48	2.54	2.32	2.27	------	2.09	1.66	.84	2.06	2.83	3.30	3.33
31	2.46	------	2.32	2.27	------	2.08	------	.87	------	2.84	3.44	------
MEAN	2.72	2.53	2.40	2.31	2.21	2.05	1.88	1.20	1.53	2.90	3.15	3.51
MAX	3.05	2.70	2.53	2.39	2.28	2.14	2.12	1.61	2.07	3.15	3.65	3.68
MIN	2.46	2.39	2.31	2.26	2.12	1.94	1.58	.84	.93	2.10	2.68	3.33

CAL YR 1972 MEAN 2.46 MAX 3.64 MIN 1.73
WTR YR 1973 MEAN 2.37 MAX 3.68 MIN .84

02291270 Henderson Creek Canal near Naples, Fla.

LOCATION.--Lat 26°05'59", long 81°41'14", in SW quarter sec.23, T.50 S., R.26 E., Collier County, on right bank 5 ft (2 m) downstream from private bridge, 3.8 mi (6.1 km) south of Everglades Parkway and 7 mi (11 km) southeast of Naples.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Collier County bench mark).

EXTREMES.--Current year: Maximum daily discharge, 353 cfs (10.0 cu m/s) Aug. 21; maximum gage height, 10.00 ft (3.048 m) Aug. 21; no flow May 28 to June 1; minimum gage height, 4.70 ft (1.433 m) May 30, 31.
Period of record: Maximum daily discharge, 353 cfs (10.0 cu m/s) Aug. 21, 1973; maximum gage height, 10.00 ft (3.048 m) Aug. 21, 1973; no flow May 28 to June 1, 1973; minimum gage height, 4.57 ft (1.393 m) May 24, 1971.

REMARKS.--Records fair.

WATER TEMPERATURE (°C).--Oct. 4 (1310) 28.0°; Nov. 30 (1035) 25.0°; Feb. 23 (1205) 13.0°; Mar. 28 (1110) 23.0°; Apr. 25 (1015) 25.0°; June 26 (1155) 32.0°; July 27 (1100) 30.0°; Aug. 28 (1140) 29.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	9.8	12	8.9	8.3	6.0	4.0	1.1	0	6.2	52	117
2	40	9.6	11	8.9	8.2	5.9	3.7	.98	.06	6.4	49	92
3	50	11	11	8.7	8.2	5.7	3.6	.98	.27	8.2	46	90
4	58	11	11	8.7	8.2	5.6	3.5	.98	.45	9.8	48	84
5	61	10	11	8.7	8.0	5.4	3.2	.90	.62	11	64	74
6	64	9.8	10	8.6	7.8	5.2	3.1	.90	.75	11	70	79
7	59	10	10	8.6	7.7	5.0	3.1	.98	.98	11	85	85
8	54	10	10	8.6	7.7	4.9	2.9	.83	1.2	12	84	73
9	50	9.9	10	8.5	7.6	4.7	2.8	.75	1.5	13	112	61
10	46	9.5	9.9	8.4	8.4	4.6	2.6	.83	2.3	14	229	54
11	44	9.3	9.6	9.6	8.6	4.5	2.5	.68	3.0	16	310	60
12	42	10	9.6	11	8.5	4.3	2.4	.68	3.1	17	231	60
13	40	11	9.5	11	8.2	4.1	2.3	.62	3.2	16	160	47
14	37	11	9.5	10	8.1	4.0	2.2	.62	3.2	16	150	43
15	34	13	9.4	10	7.9	3.9	2.1	.56	3.4	15	156	42
16	32	13	9.4	9.9	7.5	3.7	2.0	.45	3.5	15	158	38
17	30	12	9.1	9.7	7.3	3.5	1.9	.33	3.5	15	118	30
18	28	11	9.0	9.5	7.2	3.3	1.9	.27	3.4	17	96	26
19	26	11	8.9	9.2	7.3	3.2	1.8	.27	3.5	17	126	23
20	28	14	8.8	9.0	7.3	3.1	1.7	.22	3.7	22	268	20
21	27	14	8.9	8.9	6.9	3.1	1.6	.10	4.5	39	353	18
22	25	13	10	8.6	6.8	3.0	1.6	.08	6.2	38	320	18
23	23	13	11	8.9	6.7	2.8	1.5	.06	6.7	42	229	25
24	22	12	11	9.1	6.6	2.7	1.5	.06	6.7	39	144	31
25	20	12	10	9.0	6.5	2.9	1.4	.08	6.6	44	107	21
26	18	13	10	8.9	6.4	4.1	1.3	.06	6.4	42	103	17
27	17	14	9.7	8.6	6.4	4.4	1.4	.02	6.2	42	96	14
28	15	13	9.4	8.6	6.2	4.3	1.2	0	6.2	47	84	13
29	13	13	9.1	8.7	------	4.1	1.1	0	6.5	55	69	11
30	12	13	9.0	8.6	------	4.4	1.1	0	6.3	50	74	11
31	10	------	9.0	8.5	------	4.2	------	0	------	49	106	------
TOTAL	1,056	345.9	305.8	281.9	210.5	130.6	67.0	14.39	103.93	755.6	4,297	1,377
MEAN	34.1	11.5	9.86	9.09	7.52	4.21	2.23	.46	3.46	24.4	139	45.9
MAX	64	14	12	11	8.6	6.0	4.0	1.1	6.7	55	353	117
MIN	10	9.3	8.8	8.4	6.2	2.7	1.1	0	0	6.2	46	11
AC-FT	2,090	686	607	559	418	259	133	29	206	1,500	8,520	2,730

CAL YR 1972 TOTAL 8,207.40 MEAN 22.4 MAX 250 MIN 3.0 AC-FT 16,280
WTR YR 1973 TOTAL 8,945.62 MEAN 24.5 MAX 353 MIN 0 AC-FT 17,740

02291270 Henderson Creek Canal near Naples, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.22	6.14	6.34	6.01	5.95	5.72	5.43	4.96	4.73	5.70	7.78	8.40
2	7.42	6.11	6.30	6.01	5.94	5.70	5.39	4.95	4.77	5.74	7.71	8.14
3	7.74	6.21	6.26	5.99	5.94	5.69	5.37	4.95	4.82	5.96	7.63	8.12
4	7.77	6.22	6.24	5.99	5.93	5.67	5.35	4.95	4.85	6.16	7.63	8.05
5	7.83	6.17	6.21	5.99	5.91	5.65	5.31	4.94	4.88	6.30	7.95	7.91
6	7.88	6.14	6.19	5.98	5.89	5.63	5.29	4.94	4.90	6.28	8.03	7.99
7	7.80	6.20	6.18	5.97	5.88	5.61	5.28	4.95	4.93	6.29	8.23	8.08
8	7.71	6.20	6.19	5.96	5.88	5.59	5.26	4.93	4.95	6.42	8.20	7.92
9	7.65	6.15	6.16	5.95	5.87	5.57	5.23	4.92	5.00	6.45	8.50	7.68
10	7.56	6.11	6.15	5.94	5.97	5.55	5.20	4.93	5.12	6.54	9.42	7.63
11	7.51	6.09	6.12	6.08	6.01	5.54	5.18	4.91	5.24	6.72	9.85	7.70
12	7.47	6.17	6.12	6.20	5.99	5.52	5.17	4.90	5.26	6.76	9.41	7.72
13	7.43	6.21	6.10	6.19	5.96	5.50	5.15	4.89	5.27	6.75	8.88	7.51
14	7.37	6.30	6.10	6.16	5.94	5.48	5.13	4.89	5.28	6.71	8.79	7.43
15	7.31	6.44	6.09	6.13	5.92	5.47	5.12	4.88	5.30	6.69	8.83	7.43
16	7.25	6.41	6.09	6.10	5.88	5.44	5.11	4.86	5.31	6.68	8.83	7.34
17	7.19	6.33	6.06	6.08	5.85	5.41	5.09	4.84	5.31	6.70	8.49	7.15
18	7.13	6.26	6.04	6.06	5.84	5.39	5.09	4.83	5.30	6.79	8.24	7.03
19	7.07	6.24	6.03	6.03	5.85	5.37	5.07	4.83	5.31	6.82	8.45	6.92
20	7.13	6.54	6.02	6.01	5.85	5.36	5.06	4.82	5.34	7.02	9.55	6.82
21	7.10	6.56	6.02	5.99	5.81	5.37	5.04	4.80	5.46	7.52	9.96	6.72
22	7.05	6.49	6.17	5.97	5.80	5.35	5.04	4.79	5.69	7.51	9.79	6.75
23	6.97	6.43	6.21	6.00	5.79	5.32	5.03	4.78	5.75	7.60	9.29	7.04
24	6.95	6.37	6.20	6.03	5.77	5.31	5.02	4.78	5.75	7.55	8.64	7.21
25	6.87	6.33	6.16	6.02	5.77	5.35	5.00	4.79	5.73	7.65	8.30	6.90
26	6.77	6.49	6.14	6.00	5.76	5.54	4.99	4.78	5.71	7.62	8.25	6.69
27	6.72	6.53	6.11	5.98	5.76	5.58	5.01	4.76	5.69	7.63	8.16	6.53
28	6.60	6.46	6.08	5.98	5.74	5.57	4.98	4.74	5.70	7.70	8.00	6.40
29	6.46	6.41	6.05	5.99	------	5.54	4.97	4.73	5.73	7.86	7.76	6.30
30	6.37	6.40	6.03	5.97	------	5.49	4.96	4.71	5.72	7.75	7.86	6.22
31	6.17	------	6.02	5.96	------	5.46	------	4.71	------	7.71	8.28	------
MEAN	7.21	6.30	6.13	6.02	5.87	5.51	5.14	4.85	5.29	6.89	8.54	7.32
MAX	7.88	6.56	6.34	6.20	6.01	5.72	5.43	4.96	5.75	7.86	9.96	8.40
MIN	6.17	6.09	6.02	5.94	5.74	5.31	4.96	4.71	4.73	5.70	7.63	6.22

CAL YR 1972 MEAN 6.25 MAX 9.37 MIN 4.97
WTR YR 1973 MEAN 6.26 MAX 9.96 MIN 4.71

02291280 Gordon River at Naples, Fla.

LOCATION.--Lat 26°10'26", long 81°47'06", in SE quarter sec.27, T.49 S., R.25 E., Collier County, near left bank 40 ft (12 m) upstream from dam at State Highway 951 in Naples, 2.7 mi (4.3 km) upstream from Naples Bay.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1970 to February 1971 (intermittent) and March 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 3.08 ft (0.939 m) Oct. 5, 6; minimum, -0.45 ft (-0.137 m) Dec. 17.
Period of record: Maximum gage height, 4.80 ft (1.463 m) Sept. 14, 1971; minimum, -1.58 ft (-0.482 m) Jan. 17, 1972.

REMARKS.--Gage records water levels above control which are often affected by tidal fluctuations.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.74	1.63	2.08	1.17	1.04	.46	1.28	.56	.62	.88	1.80	1.78
2	2.10	1.68	2.06	1.12	1.13	.79	1.20	.66	.62	.80	1.77	1.87
3	2.20	1.79	2.04	1.13	.96	.84	1.30	.68	.76	.87	1.74	1.63
4	2.88	1.83	1.98	1.10	.47	.89	1.59	.73	.73	.89	1.69	1.59
5	3.08	1.74	1.91	1.08	.55	.96	1.30	.65	.70	.96	1.62	1.56
6	3.08	1.68	1.83	1.07	.65	1.06	.63	.62	.60	.87	1.53	1.45
7	3.01	1.66	1.66	1.03	.61	.98	.92	.75	.56	.80	1.55	1.65
8	2.94	1.65	1.44	1.24	.68	.96	1.20	.88	.59	.61	1.53	1.77
9	2.91	1.54	1.30	.98	1.00	1.01	.87	1.03	.64	.58	1.52	1.46
10	2.87	1.55	1.15	.81	1.26	.93	.44	.92	.63	.63	1.53	1.33
11	2.83	1.53	1.05	1.21	.27	.91	.21	.65	.74	.82	1.52	1.84
12	2.77	1.45	.90	1.23	.31	.74	.41	.69	.74	1.02	1.53	2.01
13	2.75	1.39	.94	.84	.77	.63	.53	.78	.70	.94	1.54	1.74
14	2.72	1.62	.97	.70	1.07	.71	.45	.69	.74	.82	1.53	1.67
15	2.70	1.72	1.23	.92	1.08	.85	.32	.59	.58	.73	1.55	1.60
16	2.66	1.63	.65	1.05	.75	1.04	.41	.50	.55	.75	1.53	1.46
17	2.63	1.63	-.45	1.20	.41	.91	.54	.38	.60	.83	1.52	1.42
18	2.59	1.58	.12	1.39	.42	.32	.71	.46	.63	.84	1.55	1.26
19	2.52	1.66	.87	1.53	.64	.39	.78	.56	.64	.95	1.57	1.19
20	2.45	1.90	1.23	1.49	.72	.78	.67	.62	.65	1.11	1.57	1.26
21	2.36	1.94	1.53	1.47	.43	1.03	.48	.58	.90	1.15	1.57	1.20
22	2.28	1.94	2.37	1.60	.50	.76	.49	.55	.99	1.14	1.58	1.12
23	2.22	1.90	2.14	1.49	.74	.37	.65	.61	.78	1.18	1.45	1.32
24	2.28	1.83	1.73	1.12	.71	.45	.78	.80	.68	1.07	1.55	1.39
25	2.20	1.91	1.32	.75	.75	.95	.97	.89	.70	1.18	1.62	1.36
26	2.10	2.11	1.03	.87	.83	1.29	1.02	.79	.86	1.34	1.53	1.27
27	2.05	2.06	.73	1.10	.77	.92	1.13	.92	.89	1.37	1.52	1.08
28	1.98	1.99	.77	1.21	.49	.77	.75	1.03	.89	1.43	1.34	.97
29	1.86	1.97	.80	1.07	------	1.06	.33	.96	.97	1.42	1.31	1.33
30	1.75	2.04	1.01	.56	------	1.15	.43	.77	.92	1.66	1.66	1.25
31	1.65	------	1.15	.69	------	1.24	------	.68	------	1.86	1.70	------
MEAN	2.46	1.75	1.28	1.10	.71	.84	.76	.71	.72	1.02	1.57	1.46
MAX	3.08	2.11	2.37	1.60	1.26	1.29	1.59	1.03	.99	1.86	1.80	2.01
MIN	1.65	1.39	-.45	.56	.27	.32	.21	.38	.55	.58	1.31	.97

WTR YR 1973 MEAN 1.20 MAX 3.08 MIN -.45

02291300 Golden Gate Canal at Naples, Fla.

LOCATION.--Lat 26°10'01", long 81°46'02", in NE quarter sec.35, T.49 S., R.25 E., Collier County, near right bank on downstream side of bridge on Airport Road, 0.5 mi (0.8 km) upstream from dam, 1.4 mi (2.3 km) upstream from Gordon River, and 1.5 mi (2.4 km) east of Naples city limits.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is at mean sea level (State Department of Transportation bench mark).

AVERAGE DISCHARGE.--9 years, 344 cfs (9.742 cu m/s), 249,000 acre-ft/yr (307 cu hm/yr).

EXTREMES.--Current year: Maximum discharge, 1,800 cfs (51.0 cu m/s) Sept. 1, 2, gage height, 5.07 ft (1.545 m); minimum, 8.2 cfs (0.23 cu m/s) May 19, gage height, 1.88 ft (0.573 m).
Period of record: Maximum discharge, 3,460 cfs (98.0 cu m/s) Sept. 14, 1971, gage height, 7.14 ft (2.176 m); minimum discharge, 0.02 cfs (0.001 cu m/s) May 11, 12, 1971; minimum gage height, -0.04 ft (-0.012 m) Jan. 2, 1969 (tide affected).

REMARKS.--Records fair.

WATER TEMPERATURE (°C).--Oct. 30 (1410) 27.8°; Nov. 30 (1235) 23.3°; Dec. 28 (1050) 17.0°; Feb. 23 (1400) 14.5°; Mar. 28 (1240) 24.0°; Apr. 25 (1200) 25.0°; May 25 (1000) 28.0°; June 26 (1330) 32.0°; July 27 (1200) 31.0°; Sept. 5 (1240) 30.0°.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	630	258	280	225	225	197	181	60	22	219	558	1,790
2	670	247	263	230	230	186	175	53	21	269	538	1,760
3	720	280	263	236	230	186	197	55	22	318	519	1,670
4	808	247	258	219	214	186	219	52	24	352	590	1,550
5	1,260	241	258	214	208	186	159	52	25	406	655	1,450
6	1,000	236	274	208	214	181	153	47	28	424	642	1,500
7	853	274	263	214	208	175	186	68	37	442	629	1,600
8	734	269	247	208	214	175	148	43	46	436	909	1,580
9	720	236	241	208	219	175	126	32	58	454	1,260	1,480
10	639	219	241	208	236	170	126	35	72	467	1,500	1,350
11	610	230	241	329	197	159	126	37	91	473	1,470	1,440
12	571	208	241	313	219	164	112	34	99	480	1,310	1,460
13	545	208	236	247	230	159	116	31	105	493	1,180	1,390
14	506	247	236	241	219	153	112	37	106	467	1,100	1,360
15	473	247	247	252	230	148	120	41	108	454	1,210	1,320
16	454	230	230	258	203	153	114	38	110	454	1,210	1,250
17	436	225	208	263	214	208	110	34	110	448	1,110	1,150
18	424	225	208	274	197	203	110	18	109	454	1,010	1,080
19	400	252	214	252	247	192	105	10	130	506	1,220	1,030
20	394	329	214	252	230	175	98	11	160	734	1,580	972
21	370	313	230	247	219	170	94	25	190	902	1,710	930
22	335	274	340	247	214	164	94	28	210	853	1,590	993
23	329	269	247	252	214	164	92	25	218	776	1,460	1,010
24	329	274	236	236	203	153	90	21	220	727	1,340	958
25	313	274	241	230	208	137	88	24	220	675	1,500	874
26	302	329	241	225	192	203	88	25	228	616	1,600	832
27	291	307	241	236	203	153	88	23	232	610	1,490	825
28	291	285	230	252	197	153	70	20	236	636	1,450	804
29	285	285	230	230	------	153	68	22	225	623	1,310	790
30	280	296	225	225	------	159	65	23	219	642	1,220	769
31	269	------	219	230	------	159	------	21	------	610	1,510	------
TOTAL	16,241	7,814	7,543	7,461	6,034	5,299	3,630	1,045	3,681	16,420	36,380	36,967
MEAN	524	260	243	241	216	171	121	33.7	123	530	1,174	1,232
MAX	1,260	329	340	329	247	208	219	68	236	902	1,710	1,790
MIN	269	208	208	208	192	137	65	10	21	219	519	769
AC-FT	32,210	15,500	14,960	14,800	11,970	10,510	7,200	2,070	7,300	32,570	72,160	73,320

CAL YR 1972 TOTAL 124,106 MEAN 339 MAX 1,720 MIN 41 AC-FT 246,200
WTR YR 1973 TOTAL 148,515 MEAN 407 MAX 1,790 MIN 10 AC-FT 294,600

02291300 Golden Gate Canal at Naples, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	2.87	2.88	2.64	2.60	2.51	2.45	2.13	2.09	2.63	3.26	5.06
2	3.36	2.85	2.84	2.65	2.61	2.49	2.43	2.10	2.08	2.72	3.23	5.02
3	3.43	2.91	2.84	2.66	2.61	2.49	2.47	2.11	2.08	2.82	3.20	4.89
4	3.81	2.85	2.82	2.63	2.58	2.49	2.51	2.10	2.10	2.88	3.31	4.72
5	4.44	2.83	2.82	2.62	2.57	2.49	2.39	2.11	2.11	2.97	3.41	4.57
6	4.07	2.82	2.84	2.61	2.57	2.48	2.38	2.10	2.13	3.00	3.39	4.66
7	3.86	2.89	2.82	2.62	2.56	2.47	2.43	2.21	2.18	3.03	3.38	4.80
8	3.72	2.88	2.78	2.60	2.57	2.47	2.36	2.10	2.23	3.03	3.79	4.79
9	3.66	2.82	2.77	2.60	2.58	2.47	2.32	2.04	2.30	3.06	4.29	4.64
10	3.50	2.79	2.76	2.60	2.61	2.46	2.31	2.07	2.36	3.08	4.60	4.47
11	3.49	2.81	2.76	2.81	2.54	2.44	2.30	2.09	2.42	3.09	4.58	4.56
12	3.43	2.77	2.75	2.79	2.58	2.44	2.28	2.08	2.45	3.11	4.36	4.64
13	3.38	2.77	2.74	2.67	2.59	2.43	2.28	2.07	2.45	3.13	4.17	4.55
14	3.32	2.84	2.73	2.66	2.57	2.42	2.27	2.12	2.45	3.10	4.06	4.53
15	3.27	2.83	2.75	2.67	2.59	2.41	2.29	2.16	2.46	3.07	4.22	4.47
16	3.25	2.80	2.72	2.68	2.54	2.42	2.27	2.15	2.46	3.08	4.22	4.37
17	3.21	2.79	2.67	2.69	2.56	2.52	2.26	2.13	2.46	3.08	4.08	4.25
18	3.18	2.79	2.67	2.71	2.53	2.51	2.25	2.00	2.45	3.08	3.93	4.16
19	3.14	2.84	2.67	2.68	2.62	2.49	2.22	1.91	2.49	3.17	4.24	4.09
20	3.13	2.98	2.67	2.67	2.58	2.46	2.21	1.93	2.55	3.51	4.73	4.02
21	3.09	2.95	2.69	2.66	2.56	2.45	2.19	2.10	2.59	3.76	4.93	3.97
22	3.03	2.88	2.91	2.65	2.55	2.44	2.18	2.13	2.59	3.69	4.76	4.06
23	3.01	2.87	2.71	2.66	2.55	2.43	2.17	2.12	2.60	3.58	4.55	4.09
24	3.01	2.88	2.69	2.63	2.53	2.41	2.16	2.09	2.61	3.51	4.40	4.03
25	2.98	2.87	2.69	2.62	2.54	2.38	2.15	2.13	2.62	3.44	4.57	3.92
26	2.96	2.97	2.69	2.61	2.51	2.50	2.18	2.14	2.63	3.35	4.77	3.85
27	2.94	2.93	2.68	2.63	2.53	2.41	2.19	2.11	2.64	3.34	4.65	3.83
28	2.93	2.89	2.66	2.66	2.52	2.42	2.14	2.08	2.65	3.38	4.54	3.80
29	2.92	2.89	2.66	2.62	------	2.41	2.14	2.09	2.64	3.36	4.37	3.77
30	2.91	2.91	2.65	2.60	------	2.41	2.14	2.11	2.63	3.39	4.24	3.73
31	2.89	------	2.64	2.61	------	2.41	------	2.08	------	3.34	4.50	------
MEAN	3.31	2.86	2.74	2.65	2.57	2.45	2.28	2.09	2.42	3.19	4.15	4.34
MAX	4.44	2.98	2.91	2.81	2.62	2.52	2.51	2.21	2.65	3.76	4.93	5.06
MIN	2.89	2.77	2.64	2.60	2.51	2.38	2.14	1.91	2.08	2.63	3.20	3.73

CAL YR 1972 MEAN 3.00 MAX 4.77 MIN 2.26
WTR YR 1973 MEAN 2.92 MAX 5.06 MIN 1.91

02291393 Cocohatchee River Canal near Naples Park, Fla.

LOCATION.--Lat 26°16'21", long 81°45'53", in SW quarter sec.24, T.48 S., R.25 E., Collier County, near center span on downstream side of Willoughby Acres bridge, 2.3 mi (3.7 km) east of intersection of U. S. Highway 41 and State Highway 846 at Naples Park.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Collier County bench mark).

AVERAGE DISCHARGE.--5 years, 34.3 cfs (0.991 cu m/s), 24,830 acre-ft/yr (42,300 cu m/yr).

EXTREMES.--Current year: Maximum discharge, 542 cfs (15.3 cu m/s) Aug. 31, gage height, 9.19 ft (2.801 m); minimum discharge, 1.5 cfs (0.04 cu m/s) Apr. 23; minimum gage height, 2.45 ft (0.747 m) Mar. 24.
Period of record: Maximum discharge, 542 cfs (15.3 cu m/s) Aug. 31, 1973, gage height, 9.19 ft (2.801 m); no flow for many days in 1971; minimum gage height, 2.01 ft (0.613 m) Mar. 9, 1969.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	17	16	7.8	6.6	6.3	4.6	3.1	6.5	39	70	454
2	41	16	12	7.7	6.9	6.4	4.3	3.1	6.6	39	52	424
3	40	14	11	7.6	6.9	7.3	4.0	3.2	6.8	35	107	412
4	55	13	11	7.6	6.6	6.6	3.8	3.2	7.1	31	235	392
5	115	13	11	7.6	6.5	7.4	3.6	3.2	7.3	26	203	390
6	89	12	10	7.5	6.5	6.4	3.4	3.2	7.5	23	184	422
7	73	12	9.9	7.4	6.4	6.3	3.2	3.5	8.0	28	179	440
8	63	12	10	7.4	6.4	7.0	3.0	3.5	10	29	190	422
9	57	12	10	7.4	6.5	6.3	2.7	3.4	12	27	205	396
10	53	12	9.4	7.3	10	6.8	2.5	3.4	12	26	250	367
11	49	12	9.2	13	13	6.2	2.4	3.4	12	22	210	406
12	46	12	9.1	18	7.9	6.2	2.3	3.4	11	20	200	404
13	44	12	9.0	14	8.7	6.0	2.2	4.0	12	18	200	359
14	41	12	8.9	9.4	11	5.9	2.3	4.5	12	16	220	368
15	39	15	9.3	11	11	5.8	2.2	5.0	13	15	250	343
16	38	18	9.3	11	9.2	7.0	2.1	4.5	14	19	210	317
17	37	17	8.5	10	7.0	9.0	2.0	4.2	17	19	200	274
18	36	16	8.4	8.5	7.5	7.2	3.5	4.0	19	17	250	216
19	35	15	8.3	7.4	10	5.8	3.4	3.8	19	16	300	180
20	34	22	8.3	7.3	9.2	5.2	3.2	4.5	18	14	360	157
21	33	24	8.2	7.1	7.0	5.0	3.1	4.8	16	13	340	141
22	32	21	11	7.7	6.8	4.9	3.0	4.5	17	14	310	145
23	32	19	14	7.8	7.5	4.8	3.6	4.2	17	20	275	159
24	27	17	13	7.7	8.8	4.6	2.7	5.0	17	19	250	143
25	19	16	12	7.1	8.7	6.8	2.8	4.9	22	20	280	129
26	20	19	11	6.9	7.9	7.9	2.7	5.0	27	20	330	114
27	20	22	8.2	6.8	6.5	6.7	2.9	5.1	32	24	309	105
28	20	19	8.0	6.9	6.4	5.9	2.9	5.1	30	36	289	102
29	19	16	7.9	7.5	------	6.1	2.9	5.2	29	39	286	93
30	18	15	7.9	6.7	------	5.4	3.0	5.3	31	35	290	80
31	17	------	7.7	6.7	------	4.8	------	6.0	------	53	368	------
TOTAL	1,284	472	307.5	263.8	223.4	194.0	90.3	129.2	468.8	772	7,402	8,354
MEAN	41.4	15.7	9.92	8.51	7.98	6.26	3.01	4.17	15.6	24.9	239	278
MAX	115	24	16	18	13	9.0	4.6	6.0	32	53	368	454
MIN	17	12	7.7	6.7	6.4	4.6	2.0	3.1	6.5	13	52	80
AC-FT	2,550	936	610	523	443	385	179	256	930	1,530	14,680	16,570

CAL YR 1972 TOTAL 9,295.0 MEAN 25.4 MAX 135 MIN 3.7 AC-FT 18,440
WTR YR 1973 TOTAL 19,961.0 MEAN 54.7 MAX 454 MIN 2.0 AC-FT 39,590

02291393 Cocohatchee River Canal near Naples Park, Fla.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.51	3.32	3.30	2.74	2.68	2.74	2.74	3.23	3.37	4.89	6.22	8.78
2	4.46	3.23	2.97	2.74	2.73	2.77	2.72	3.22	3.37	4.91	5.78	8.60
3	4.42	3.10	2.92	2.74	2.74	2.95	2.71	3.22	3.37	4.79	6.65	8.51
4	4.72	3.06	2.95	2.73	2.68	2.81	2.70	3.21	3.41	4.69	8.15	8.37
5	5.82	3.04	2.92	2.74	2.67	2.97	2.70	3.20	3.42	4.51	7.88	8.33
6	5.44	3.02	2.86	2.73	2.67	2.79	2.70	3.19	3.44	4.37	7.66	8.46
7	5.15	3.02	2.84	2.72	2.67	2.77	2.70	3.19	3.49	4.62	7.60	8.51
8	4.96	3.01	2.89	2.72	2.67	2.92	2.69	3.18	3.67	4.72	7.68	8.39
9	4.81	3.01	2.86	2.72	2.69	2.78	2.68	3.17	3.79	4.65	7.80	8.23
10	4.70	3.01	2.82	2.71	3.12	2.89	2.67	3.16	3.76	4.62	8.26	8.03
11	4.60	3.00	2.80	3.26	3.44	2.76	2.67	3.15	3.76	4.50	7.80	8.21
12	4.52	2.98	2.80	3.62	2.97	2.75	2.67	3.14	3.69	4.38	7.68	8.17
13	4.46	2.96	2.79	3.36	3.04	2.73	2.67	3.24	3.69	4.33	7.65	7.88
14	4.37	2.98	2.79	3.00	3.25	2.72	2.73	3.30	3.71	4.22	7.81	7.90
15	4.31	3.19	2.83	3.16	3.26	2.71	2.73	3.40	3.71	4.19	8.11	7.70
16	4.26	3.41	2.84	3.13	3.13	2.98	2.76	3.30	3.78	4.47	7.74	7.50
17	4.22	3.35	2.76	3.07	2.83	3.20	2.75	3.23	3.93	4.46	7.51	7.17
18	4.19	3.27	2.75	2.92	2.91	3.00	2.75	3.17	4.04	4.39	7.90	6.70
19	4.16	3.21	2.75	2.78	3.22	2.80	2.75	3.10	4.01	4.35	8.30	6.31
20	4.14	3.60	2.75	2.75	3.15	2.70	2.74	3.24	3.92	4.27	8.80	6.00
21	4.11	3.71	2.75	2.73	2.84	2.65	2.73	3.30	3.78	4.22	8.40	5.78
22	4.07	3.58	3.03	2.84	2.80	2.60	2.74	3.27	3.79	4.31	8.25	5.79
23	4.05	3.47	3.24	2.85	2.95	2.50	2.88	3.24	3.77	4.75	8.10	5.93
24	3.82	3.32	3.17	2.85	3.13	2.45	3.26	3.20	3.76	4.67	8.00	5.70
25	3.47	3.26	3.11	2.74	3.13	3.00	3.26	3.23	4.02	4.78	7.95	5.57
26	3.52	3.48	3.00	2.71	3.01	3.14	3.22	3.23	4.29	4.81	7.98	5.41
27	3.52	3.60	2.78	2.69	2.77	2.98	3.26	3.22	4.52	4.98	8.03	5.34
28	3.50	3.46	2.75	2.72	2.75	2.85	3.24	3.20	4.47	5.43	7.94	5.33
29	3.46	3.23	2.74	2.84	------	2.94	3.22	3.20	4.45	5.49	7.88	5.23
30	3.42	3.23	2.74	2.69	------	2.83	3.22	3.19	4.59	5.35	7.88	5.07
31	3.36	------	2.73	2.68	------	2.74	------	3.30	------	5.83	8.37	------
MEAN	4.27	3.24	2.88	2.86	2.93	2.82	2.84	3.22	3.83	4.68	7.80	7.10
MAX	5.82	3.71	3.30	3.62	3.44	3.20	3.26	3.40	4.59	5.83	8.80	8.78
MIN	3.36	2.96	2.73	2.68	2.67	2.45	2.67	3.10	3.37	4.19	5.78	5.07

CAL YR 1972 MEAN 3.79 MAX 6.41 MIN 2.73
WTR YR 1973 MEAN 4.04 MAX 8.80 MIN 2.45

02292000 Caloosahatchee Canal at Moore Haven, Fla.

LOCATION.--Lat 26°50'30", long 81°05'20", in sec.12, T.42 S., R.32 E., Glades County, in control house of control structure 77 at Lake Okeechobee outlet, and 15 mi (24 km) upstream from lock 2.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--May to September 1913 (discharge measurements only). October 1938 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1938, published as Threemile Canal near Ritta.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 17, 1952, at site 0.5 mi (0.8 km) downstream, at datum 1.44 ft (0.439 m) lower. Jan. 17, 1952, to Sept. 30, 1966, at site 0.5 mi (0.8 km) downstream at present datum. October 1938 to September 1966, auxiliary water stage recorder 0.25 mi (0.41 km) upstream from Lake Hicpochee and 3.0 mi (4.8 km) downstream.

AVERAGE DISCHARGE.--35 years, 1,027 cfs (29.08 cu m/s), 743,500 acre-ft/yr (917 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 689 cfs (19.5 cu m/s) Oct. 21; maximum gage height, 15.10 ft (4.602 m) Sept. 29; lock closed and flow consists of leakage and lockage estimated as 5.0 cfs (0.14 cu m/s) for many days; minimum gage height, 11.65 ft (3.551 m) May 25.

Period of record: Maximum daily discharge, 8,290 cfs (235 cu m/s) Apr. 10, 11, 1970; maximum gage height, 17.00 ft (5.182 m) Oct. 31, 1969; maximum daily reverse flow, 1,130 cfs (32.0 cu m/s) June 17, 1962; lock closed and flow consists of leakage and lockage estimated as 5.0 cfs (0.14 cu m/s) during several periods in each year; minimum gage height, 5.8 ft (1.77 m) present datum, estimated Aug. 8, 1940.

REMARKS.--Flow regulated by operation of control structure 77 at Lake Okeechobee. Records of chemical analyses and water temperature for the water year 1973 are published in Part 2 of this report.

COOPERATION.--Gate-opening record furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	254	5.0	5.0	5.0	5.0	5.0	288	277	5.0	5.0	5.0
2	81	424	5.0	5.0	5.0	5.0	5.0	287	154	5.0	5.0	5.0
3	87	483	5.0	5.0	5.0	5.0	5.0	357	163	5.0	5.0	5.0
4	73	284	5.0	5.0	5.0	5.0	5.0	410	160	5.0	5.0	5.0
5	44	309	5.0	58	5.0	5.0	5.0	417	376	5.0	5.0	5.0
6	16	302	5.0	209	5.0	5.0	5.0	396	472	5.0	5.0	5.0
7	27	286	5.0	246	5.0	24	5.0	386	494	5.0	5.0	5.0
8	81	286	5.0	229	5.0	68	5.0	375	241	5.0	5.0	5.0
9	78	296	5.0	245	5.0	71	5.0	224	5.0	5.0	5.0	5.0
10	70	292	28	239	5.0	78	5.0	5.0	5.0	5.0	5.0	5.0
11	5.0	291	65	94	5.0	86	83	5.0	5.0	5.0	5.0	5.0
12	5.0	283	65	5.0	5.0	89	165	5.0	5.0	5.0	5.0	5.0
13	5.0	281	63	5.0	5.0	92	165	5.0	5.0	5.0	5.0	5.0
14	5.0	89	63	5.0	5.0	92	172	5.0	5.0	5.0	5.0	5.0
15	5.0	5.0	60	5.0	5.0	77	183	5.0	5.0	5.0	5.0	5.0
16	5.0	5.0	66	5.0	5.0	70	177	5.0	5.0	5.0	5.0	5.0
17	5.0	5.0	66	5.0	5.0	74	179	5.0	5.0	5.0	5.0	5.0
18	5.0	5.0	61	5.0	5.0	62	248	5.0	5.0	5.0	5.0	5.0
19	5.0	5.0	61	5.0	5.0	60	272	5.0	5.0	5.0	5.0	5.0
20	232	5.0	59	5.0	5.0	66	322	327	5.0	5.0	5.0	5.0
21	689	5.0	56	5.0	5.0	75	349	310	5.0	5.0	5.0	5.0
22	331	5.0	55	5.0	5.0	85	317	238	5.0	5.0	5.0	5.0
23	333	5.0	52	5.0	5.0	101	220	228	5.0	5.0	5.0	5.0
24	328	5.0	22	5.0	5.0	88	147	229	5.0	5.0	5.0	5.0
25	261	5.0	5.0	5.0	5.0	85	150	237	5.0	5.0	5.0	5.0
26	125	5.0	5.0	5.0	5.0	25	256	231	5.0	5.0	5.0	5.0
27	358	5.0	5.0	5.0	5.0	5.0	278	182	5.0	5.0	5.0	5.0
28	615	5.0	5.0	5.0	5.0	5.0	295	139	5.0	5.0	5.0	5.0
29	514	5.0	5.0	5.0	------	5.0	297	137	5.0	5.0	5.0	5.0
30	258	5.0	5.0	5.0	------	5.0	290	384	5.0	5.0	5.0	5.0
31	260	------	5.0	5.0	------	5.0	------	271	------	5.0	5.0	------
TOTAL	4,974.0	4,240.0	922.0	1,440.0	140.0	1,523.0	4,615.0	6,103.0	2,447.0	155.0	155.0	150.0
MEAN	160	141	29.7	46.5	5.00	49.1	154	197	81.6	5.00	5.00	5.00
MAX	689	483	66	246	5.0	101	349	417	494	5.0	5.0	5.0
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
AC-FT	9,870	8,410	1,830	2,860	278	3,020	9,150	12,110	4,850	307	307	298

CAL YR 1972 TOTAL 55,100.0 MEAN 151 MAX 2,910 MIN 5.0 AC-FT 109,300
WTR YR 1973 TOTAL 26,864.0 MEAN 73.6 MAX 689 MIN 5.0 AC-FT 53,280

02292900 Caloosahatchee River at S-79, near Olga, Fla.

LOCATION.--Lat 26°43'25", long 81°41'55", in NW quarter sec.23, T.43 S., R.26 E., Lee County, in control house at southeast end of lock at salinity control structure 79, 1 mi (1.6 km) upstream from Telegraph Creek, and 1.2 mi (1.9 km) northeast of Olga.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1964 to March 1966 (gage heights only), April 1966 to current year.

GAGE.--Dual water-stage recorder, gate opening recorder, and gate opening indicators. Datum of gage is at mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--7 years, 1,649 cfs (46.70 cu m/s), 1,194,000 acre-ft/yr (1470 cu hm/yr).

EXTREMES.--Current year: Maximum daily discharge, 4,920 cfs (139 cu m/s) Sept. 23; maximum gage height, 3.76 ft (1.146 m) Sept. 22; flow consists of leakage and lockage estimated as 10 cfs (0.28 cu m/s) for many days during year; minimum gage height, 2.60 ft (0.792 m) July 29, Sept. 2.

Period of record: Maximum daily discharge, 21,400 cfs (606 cu m/s) Mar. 27, 1970; maximum gage height, 5.00 ft (1.524 m) June 19, 1972; flow consists of leakage and lockage estimated as 10 cfs (0.28 cu m/s) for many days each year; minimum gage height, 1.18 ft (0.360 m) Sept. 22, 1966.

REMARKS.--Records good. Flow regulated by operation of salinity-control structure 79. Discharge computed from relations between discharge, head, and gate openings.

COOPERATION.--Records of gate and lock operation furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	10	583	305	364	88	526	10	10	354	1,670	2,280
2	382	10	338	10	497	184	585	10	10	938	2,120	3,040
3	10	10	343	10	958	180	259	10	10	999	2,620	2,810
4	219	10	339	10	523	10	346	10	10	995	2,760	3,710
5	385	10	331	10	423	105	790	10	10	1,310	2,480	3,880
6	571	10	330	107	31	106	234	10	10	481	2,160	3,140
7	305	10	79	116	156	10	10	10	10	696	2,920	3,400
8	300	10	124	112	10	423	573	10	10	797	2,850	3,080
9	222	10	231	10	154	410	87	10	164	1,060	2,410	2,230
10	10	10	90	194	878	654	10	10	110	1,460	2,380	2,100
11	10	10	178	457	817	412	100	10	10	1,830	2,710	1,870
12	10	10	112	702	816	345	144	10	10	1,750	3,390	2,370
13	10	488	10	404	1,080	128	10	10	10	2,100	3,060	1,590
14	10	1,050	10	393	961	10	10	10	156	2,310	2,760	1,540
15	10	1,040	121	366	1,010	10	189	10	95	2,580	2,750	2,000
16	10	523	84	351	1,340	10	10	10	10	2,650	2,250	1,770
17	10	476	10	334	851	10	10	10	180	2,450	2,650	1,530
18	10	381	10	93	702	425	10	10	231	2,360	2,080	1,460
19	10	436	109	10	723	10	10	10	445	1,930	1,890	2,310
20	10	748	10	213	715	10	10	10	1,220	1,930	2,130	2,070
21	10	692	10	242	755	10	10	10	1,840	1,520	2,550	1,770
22	10	551	872	50	500	10	10	10	1,410	1,500	2,680	2,810
23	10	522	371	313	359	10	10	10	1,500	1,560	2,470	4,920
24	10	191	326	138	589	10	10	10	1,260	1,600	2,370	3,910
25	10	474	319	190	500	47	10	10	1,560	1,460	3,250	3,190
26	10	1,170	133	306	324	1,810	10	10	1,570	1,500	3,590	2,980
27	10	638	160	81	298	1,760	10	10	1,550	1,890	3,010	3,110
28	10	453	10	438	231	1,930	10	10	1,090	2,590	2,320	2,910
29	10	487	56	495	------	1,470	10	10	924	2,050	2,210	2,280
30	10	616	314	222	------	953	10	10	1,010	2,240	2,050	2,030
31	10	------	27	222	------	699	------	10	------	2,100	2,100	------
TOTAL	2,627	11,056	6,040	6,904	16,565	12,249	4,023	310	16,435	50,990	78,640	78,090
MEAN	84.7	369	195	223	592	395	134	10.0	548	1,645	2,537	2,603
MAX	571	1,170	872	702	1,340	1,930	790	10	1,840	2,650	3,590	4,920
MIN	10	10	10	10	10	10	10	10	10	354	1,670	1,460
AC-FT	5,210	21,930	11,980	13,690	32,860	24,300	7,980	615	32,600	101,100	156,000	154,900

CAL YR 1972 TOTAL 109,029 MEAN 298 MAX 4,960 MIN 10 AC-FT 216,300
WTR YR 1973 TOTAL 283,929 MEAN 778 MAX 4,920 MIN 10 AC-FT 563,200

02293250 Sanibel River at Sanibel, Fla.

LOCATION.--Lat 26°26'34", long 82°02'25", in SE quarter sec.19, T.46 S., R.23 E., Lee County, at left bank 20 ft (6.1 m) upstream from culvert on Beach Road at Sanibel.

DRAINAGE AREA.--3 sq mi (8 sq km), approximately.

PERIOD OF RECORD.--November 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum gage height, 2.88 ft (0.878 m) Sept. 24; minimum, 0.93 ft (0.283 m) July 18.
Period of record: Maximum gage height, 3.18 ft (0.969 m) Sept. 9, 1971; minimum, -0.02 ft (-0.006 m) May 9-11, 1971.

REMARKS.--Gage records water levels above control structure which are often affected by tidal fluctuations.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.16	1.30	2.24	1.75	2.07	1.96	2.10	1.31	.73	1.11	1.21	2.05
2	2.14	1.28	2.20	1.74	2.06	1.91	2.10	1.28	.92	1.09	1.22	2.03
3	2.12	1.28	2.16	1.70	2.11	1.91	2.07	1.24	1.03	1.09	1.38	2.03
4	2.10	1.25	2.15	1.68	2.09	1.90	2.07	1.21	1.07	1.10	1.40	2.03
5	2.10	1.24	2.14	1.66	2.05	1.88	2.05	1.18	1.18	1.10	1.42	2.03
6	2.10	1.21	2.12	1.64	2.04	1.87	2.01	1.14	1.24	1.08	1.37	2.09
7	2.07	1.24	2.09	1.61	2.02	1.85	1.98	1.10	1.26	1.03	1.34	2.25
8	2.03	1.25	2.08	1.60	2.00	1.84	2.03	1.08	1.26	1.00	1.31	2.25
9	2.00	1.25	2.04	1.59	1.99	1.81	2.06	1.08	1.26	1.00	1.28	2.26
10	1.98	1.23	2.00	1.58	2.18	1.78	2.03	1.14	1.30	1.10	1.26	2.26
11	1.95	1.22	1.99	1.85	2.17	1.76	1.96	1.14	1.30	1.11	1.26	2.41
12	1.89	1.21	1.96	1.97	2.15	1.73	1.93	1.13	1.28	1.12	1.28	2.46
13	1.86	1.19	1.93	1.98	2.14	1.69	1.89	1.10	1.25	1.09	1.27	2.40
14	1.83	1.28	1.91	1.98	2.13	1.65	1.87	1.07	1.23	1.08	1.25	2.51
15	1.81	1.54	1.90	1.99	2.14	1.59	1.83	1.05	1.24	1.06	1.23	2.50
16	1.79	1.62	1.88	1.98	2.13	1.60	1.77	.99	1.29	1.04	1.19	2.51
17	1.76	1.62	1.80	1.98	2.10	1.58	1.74	.94	1.27	.99	1.15	2.51
18	1.73	1.63	1.73	1.99	2.07	1.55	1.69	.91	1.24	.99	1.11	2.48
19	1.68	1.71	1.67	1.98	2.10	1.51	1.66	.88	1.24	1.25	1.18	2.39
20	1.64	2.02	1.67	1.97	2.10	1.46	1.63	.86	1.25	1.29	1.55	2.32
21	1.60	2.10	1.67	1.95	2.10	1.51	1.59	.83	1.29	1.31	1.68	2.25
22	1.54	2.11	1.87	1.95	2.07	1.58	1.56	.80	1.36	1.31	1.76	2.27
23	1.50	2.10	1.94	2.04	2.06	1.58	1.51	.78	1.37	1.40	1.81	2.54
24	1.49	2.09	1.94	2.06	2.04	1.56	1.47	.76	1.37	1.43	1.82	2.66
25	1.46	2.10	1.92	2.07	2.03	1.52	1.44	.74	1.36	1.42	1.81	2.82
26	1.44	2.21	1.90	2.06	2.02	2.02	1.43	.73	1.32	1.40	1.81	2.64
27	1.39	2.25	1.88	2.06	2.03	2.08	1.45	.72	1.28	1.35	1.86	2.39
28	1.38	2.26	1.83	2.07	2.00	2.10	1.43	.72	1.23	1.32	1.85	2.42
29	1.38	2.24	1.81	2.11	------	2.10	1.38	.72	1.17	1.29	1.84	2.20
30	1.37	2.24	1.79	2.09	------	2.11	1.35	.70	1.14	1.26	1.83	2.43
31	1.34	------	1.77	2.08	------	2.10	------	.73	------	1.23	1.94	------
MEAN	1.76	1.64	1.93	1.90	2.08	1.78	1.77	.97	1.22	1.18	1.47	2.35
MAX	2.16	2.26	2.24	2.11	2.18	2.11	2.10	1.31	1.37	1.43	1.94	2.82
MIN	1.34	1.19	1.67	1.58	1.99	1.46	1.35	.70	.73	.99	1.11	2.03

CAL YR 1972 MEAN 1.46 MAX 2.54 MIN .53
WTR YR 1973 MEAN 1.67 MAX 2.82 MIN .70

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or flood flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at crest-stage partial-record stations are presented in a table of annual maximum stage and discharge. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a second table.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1973

Station No.	Station Name	Location	Drainage area (sq mi)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Discharge (cfs)
		10B Lake Okeechobee and the Everglades Area					
02269720	Morgan Hole Creek near Avon Park, Florida	Lat 27°37'52", long 81°17'47", in NW quarter, sec.11, T.33S., R.30E., Highlands County, at bridge on perimeter road on Avon Park bombing range, 5.4 miles (8.7 km) upstream from mouth and 12.5 miles (20.1 km) east of Avon Park. Datum of gage is 53.15 ft (16.200 m) above mean sea level.	a15.5	1971-73	9-27-73	6.89	960
02279517	Lateral Ditch No. 1 at Delray Beach, Florida	Lat 26°29'01", long 80°03'49", in NE quarter, sec.9, T.46S., R.43E., Palm Beach, at storm sewer outfall, 650 ft (198 m) east of U.S. Highway 1, 1.5 miles (2.4 km) northeast of Delray Beach City Hall, and 800 ft (244 m) above mouth.	-	1971-73	11-7-72	6.76	14
02291600	Estero River near Estero, Florida	Lat 26°26'04", long 81°48'18", in NE quarter, sec.33, T.44S., R.25E., Lee County, at bridge on county road, 0.1 mile (0.2 km) upstream from Seaboard Coast Line Railroad, at Estero. Datum of gage is at mean sea level.	-	*1942-46 1966-73		+	
02293050	Orange River at Buckingham, near Fort Myers, Florida	Lat 26°40'12", long 81°43'56", in NE quarter, sec.8, T.44S., R.26E., Lee County, at bridge on Buckingham Road, 0.3 mile (0.5 km) south of Buckingham, 2.5 miles (4.0 km) upstream from mouth, and 9 miles (14.4 km) east of Fort Myers. Datum of gage is 2.78 ft (0.847 m) below mean sea level.	a70	1960-73	10-2-72	8.80	1,020

* Operated as a continuous record gaging station
\+ Peak stage did not reach bottom of gage
\# Discharge not determined
a Approximately
c Revised

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations or partial-record stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1973

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements		
					Date	Dis charge (cfs)	Water Temp. (°C)
		10B Lake Okeechobee and the Everglades area					
Fisheating Creek 02257000	Lake Okeechobee	Lat 27°00'00", long 81°04'05", in SE quarter sec.28, T.40 S., R.33 E., Glades County, at bridge on State Highway 78, 0.8 mile (1.3 km) southeast of Lakeport and 2.0 miles (3.2 km) upstream from mouth.	-	1948-51 1971-72	5-24-73	4.0	33.0
Kissimmee River at S-65A 02269046	.....do.....	Lat 27°39'33", long 81°08'03", in SW quarter sec.28, T.32 S., R.32 E., Polk County, about 14.4 miles (23.2 km) southwest of Yeehaw Junction and 10.9 miles (17.5 km) downstream from State Highway 60.	-	-	4-11-73 5-16-73	5,510 2,580	- -
Kissimmee River at S-65B 02269150	.....do.....	Lat 27°30'07", long 81°11'45", in SE quarter sec.23, T.34 S., R.31 E., Okeechobee County, 5.5 miles (8.8 km) northeast of Lorida and 13.4 miles (21.6 km) upstream from U.S. Highway 98.	-	-	4-12-73 5-16-73	5,310 2,900	- -
Morgan Hole Creek 02269720	Arbuckle Creek	Lat 27°37'52", long 81°17'47", in NW quarter sec.11, T.33 S., R.30 E., Highlands County, at bridge on perimeter road on Avon Park bombing range, 5.4 miles (8.7 km) upstream from mouth and 12.5 miles (20.1 km) east of Avon Park.	a15.5	1970-72	8-28-73	45	27.0
Kissimmee River at S-65C 02272200	Lake Okeechobee	Lat 27°22'24", long 81°06'56", in NE quarter sec.27, T.35 S., R.32 E., Okeechobee County 2.0 miles (3.2 km) northwest of Cornwell and 4.6 miles (7.4 km) upstream from U.S. Highway 98.	-	-	4-12-73 5-16-73	5,010 2,770	- -
Kissimmee River at S-65D 02272795	.....do.....	Lat 27°18'41", long 81°01'15", in NW quarter sec.27, T.36 S., R.33 E., Okeechobee County 5.5 miles (8.8 km) south of Basinger and 4.3 miles (6.9 km) downstream from U. S. Highway 98.	-	-	4-12-73 5-16-73	4,730 2,790	- -
Pahokee Sewage Outfall	.....do.....	Lat 26°48'02", long 80°40'22", in sec.19, T.42 S., R.37 E., Palm Beach County, at Plant Outfall, 1.6 mi (2.5 km) southwest of Pahokee.	-	-	6-13-73	1.5	31.5
Tributary Canal #2	.....do.....	Lat 26°47'29", long 80°40'46", in sec.25, T.42 S., R.36 E., Palm Beach County, at culverts 1.5 mi (2.4 km) upstream from Lake Okeechobee and 2.4 mi (4.0 km) southwest of Pahokee.	-	-	6-13-73	1.6	27.5
Do.....	.....do.....	Lat 26°46'40", long 80°41'21", in sec.36, T.42 S., R.36 E., Palm Beach County, at bridge on State Highway 715, 0.3 mi (0.5 km) upstream from Lake Okeechobee and 3.5 mi (5.6 km) southwest of Pahokee.					
East Holloway Canal	Plantation Canal	Lat 26°08'08", long 80°14'00", in SE quarter, sec.34, T.49 S., R.41 E., Broward County, on upstream side of culvert on north side of Sunrise Blvd. about 1 mi (1.6 km) west of Fla. Turnpike and 450 ft (135 m) northwest of Plantation Canal in Plantation.	-	-	8-2-73 8-9-73	2.9 5.2	28.0 28.5
Lake Lauderhill Outlet	.....do.....	Lat 26°08'09", long 80°13'20", in SE quarter, sec.35, T.49 S., R.41 E., Broward County, on upstream side of culvert 600 ft (180 m) north of Plantation Canal, 150 ft (45 m) east of NW 56th Ave., in Plantation.	-	-	8-2-73 8-9-73	3.6 1.7	29.0 29.0
Fla. Turnpike lake outlet	.....do.....	Lat 26°08'07", long 80°12'52", in SW quarter, sec.36, T.49 S., R.41 E., Broward County, at culvert 300 ft (90 m) east of Fla. Turnpike, 600 ft (180 m) north of Plantation Canal in Plantation.	-	-	8-2-73 8-9-73	15.9 23.9	32.0 31.0

a Approximately

Discharge measurements made at miscellaneous sites during water year 1973

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements		
					Date	Dis charge (cfs)	Water Temp. (°C)
		10B Lake Okeechobee and the Everglades area--continued					
Levee 67 Canal tributary	Levee 67 Canal	Lat 26°03'46", long 80°27'33", in SE quarter, sec.29, T.50 S., R.39 E., Broward County, 200 ft (61 m) north of South New River Canal, and about 1.0 mi (1.6 km) west of S-9 Pump structure.	-	-	1-17-73 8-9-73	427 23.9	- 31.0
Do.....	.....do.....	Lat 26°03'38", long 80°27'38", in SE quarter, sec.29, T.50 S., R.39 E., Broward County, 200 ft (61 m) south of South New River Canal, and about 1.0 mi (1.6 km) west of S-9 pump structure.	-	-	1-17-73	316	-
South New River Canal	Miami Canal	Lat 26°03'42", long 80°27'32", in SE quarter, sec.29, T.50 S., R.39 E., Broward County, 200 ft (61 m) east of Levee 67 Canal tributary, and about 0.9 mi (1.4 km) west of S-9 pump structure.	-	-	1-17-73	252	-
Do.....	.....do.....	Lat 26°03'42", long 80°27'40", in SE quarter, sec.29, T.50 S., R.39 E., Broward County, 200 ft (61 m) west of Levee 67 Canal tributary, and about 1.1 mi (1.7 km) west of S-9 pump structure.	-	-	1-17-73	29	-
Net flow to south through bridges and culverts on State Highway 94	Big Lostmans Bay	From U.S. Highway 41 at Monroe Station to 40 mile bend along State Highway 94, Collier, Monroe, and Dade Counties, Fla.--a distance of 23.6 mi (7.2 km).	-	1969	2-15-73	12	-
Ten Mile Creek	Mullock Creek	Lat 26°32'47, long 81°51'20", in SE quarter, sec.24, T.45 S., R.24 E., Lee County, in Daniels Rd., 4 mi (6.4 km) south of Fort Myers.	-	-	5-2-73	0	-

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